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THORBURN'S SEEDS 1915



J.M. THORBURN & CO.
53 BARCLAY STREET THROUGH TO 54 PARK PLACE
NEW YORK CITY

The Improvement of Land



THE correct preparation of land so as to insure maximum crops is a weighty problem with most farmers and gardeners, if we can judge from the number of requests that come in daily for information on this subject.

To prepare old worn-out soils that have been allowed to get into a hard, poor, weedy condition, for a Vegetable-Garden, it is necessary to get the soil mellow, well enriched with decayed vegetable matter and well-rotted barnyard manure, and clear of weeds.

The ground should be plowed as early in spring as it can be worked, putting in about one ton of burnt lime to the acre. Harrow and pulverize, giving the soil a thorough working to get it as fine as possible. Sow $1\frac{1}{2}$ bushels Canadian field peas and 3 bushels oats to the acre. Late in June or early in July this crop should be plowed under, applying thirty or forty loads of coarse, well-rotted barnyard manure, well worked in, and sow 2 bushels of buckwheat and rye and 20 lbs. crimson clover to the acre, or $2\frac{1}{2}$ bushels cowpeas to the acre. If buckwheat, rye and clover are used, let the buckwheat die down when frost comes and plow all under early next spring—if cowpeas are sown, turn them under in September and apply a ton of unleached hardwood ashes to the acre and sow 2 bushels rye to the acre, and in spring apply another thirty or forty loads of well-rotted barnyard manure, plowing under as soon as dry enough.

In place of sowing in July, the cereals mentioned above, the oats and peas may be followed with white beans, planted in hills, cultivated both ways and hoed. In September sow rye among the beans and in spring plow all under; another half ton of lime can be used to advantage, and the cultivating and hoeing will clean out the weeds and give a cleaner garden. This soil, if thoroughly plowed and harrowed, should be mellow and rich enough to grow any kind of vegetables.

Another plan would be to plow the ground as deeply as possible in fall. Harrow and pulverize, to make it friable and easy to work. Apply as a top dressing 50 bushels air-slaked lime and sow to rye, 2 bushels to the acre. Apply thirty or forty loads of coarse barnyard manure early in spring, and plow all under about the middle of June, then sow cowpeas, $2\frac{1}{2}$ bushels to the acre, and harrow or cultivate them in. About the end of September turn the cowpeas under, applying one ton of unleached hardwood ashes and again sow to rye. Next spring apply forty loads of well-rotted barnyard manure and plow all under as soon as dry enough.

In order to renovate ground used as a Vegetable Garden that has been run down, as soon as frost comes the ground should be plowed applying a liberal quantity of well-rotted barnyard manure, working it well in, then sow winter rye, 2 bushels to the acre. In early spring this should be plowed well under, applying Thorburn's Complete Manure at the rate of 1200 to 1500 lbs. per acre—this will give a good foundation for the new garden.

1802—1915

J. M. THORBURN & CO.

Well into the SECOND CENTURY in the business of supplying to all interested in gardening, the finest and most choice quality of SEEDS, BULBS, ROOTS, etc., obtainable in the world, the House of THORBURN continues to retain the confidence and friendship of its old customers, besides gaining annually many thousands of new friends from among the largely increasing numbers of both amateur and professional gardeners.

THIS, our 114th successive Annual Catalogue, will be found replete with lists of SEEDS, BULBS, etc., all of the HIGHEST GRADE only, as well as miscellaneous articles necessary for the successful cultivation and care of the garden. You can make up your order from its pages with entire confidence in the exceptional quality of the products we are offering.

Our catalogues have always received a considerable amount of study. The cultural directions and descriptions in them are concise and to the point.

Over a century in business means something—and it does much to emphasize the reliability of our goods. The Thorburn experience—the Thorburn knowledge of what's what in seeds—the Thorburn reputation for fair dealing—these are your safeguards in buying.

We would suggest that your order be made up as soon after the receipt of this catalogue as possible. It will help us to ship promptly, and it will help you by giving you your goods just when you want them. Placing orders late sometimes makes delays unavoidable. But we have the facilities for handling a vast amount of business, and your orders will receive the most prompt attention regardless of when they come.

If there is any information you want that is not given in this catalogue, write us about it. We will give all inquiries our careful attention.

May we have the pleasure of filling your order?

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PAGE BEFORE SENDING IN YOUR ORDER**

CULTURAL DIRECTIONS

These apply to the climate of New York and vicinity. For more northern and southern localities the necessary changes in time of sowing, etc., will readily suggest themselves to gardeners.

ORDERS

Orders should be written on our order sheet or on a blank sheet separate from letter, *preferably in ink*, and, to receive prompt attention, should be directed to the firm and not to individuals. Orders from new customers should be accompanied by a remittance in the form of a Post-Office or Express Money Order, Bank Check or Bank Bills.

PRICES

The prices quoted are net, and do NOT include free transit, EXCEPT FOR SEEDS IN PACKETS, OUNCES or QUARTER-POUNDS, on which WE pay postage or expressage anywhere in the U. S.

SEEDS BY MAIL OR EXPRESS

If wanted by mail in the United States, add postage according to zone rate, as per table at foot; and 12 cents per pound in Canada, except for seeds ordered by the packet, ounce or $\frac{1}{4}$ lb., which we mail free. By special arrangement with the express companies, we can ship seeds and bulbs at a reduction of 20 to 25 per cent from the regular rates. In view of the greater safety, it will be found best to send parcels of 15 lbs. or over by express, as packages are apt to get crushed in the mail. Unless otherwise instructed, we send orders from persons unknown to us C. O. D.

It sometimes happens that certain articles are not ready when the bulk of the goods ordered is shipped. In such cases, rather than hold back the whole order, we send what is ready and keep a memorandum of what is to follow when available. Customers would, therefore, in such cases, do well to await our advice or invoices before writing in regard to items not sent them.

PARCEL-POST ZONE RATES

Within the United States		Additional	
Zone	Within	1st lb. or fraction	lb. or fraction
1st	.50 miles of N. Y. City.....	5c.	1c.
2d	.50 to 150 miles of N. Y. City....	5c.	1c.
3d	150 to 300 miles of N. Y. City...	6c.	2c.
4th	300 to 600 miles of N. Y. City...	7c.	4c.
5th	600 to 1,000 miles of N. Y. City..	8c.	6c.
6th	1,000 to 1,400 miles of N. Y. City.	9c.	8c.
7th	1,400 to 1,800 miles of N. Y. City.	11c.	10c.
8th	1,800 and over miles of N. Y. City.	12c.	12c.

Maximum weight, 50 lbs. to 1st and 2d zones, and 20 lbs. from the 3d zone upward.

NAME, ADDRESS, ETC.

We beg our correspondents to give us *on each order the correct name and address*; also to indicate *very precisely* the means of carriage which they prefer—**mail, express or freight**, and the office or railroad station which best serves their locality. In case these directions are not followed out, or if they are not sufficient, we ourselves shall of course choose the most advantageous and convenient means.

WARRANTIES

Seeds of best quality will sometimes fail through improper treatment. Thus, a small seed may be sown so deeply that the young plant cannot reach the surface. *More failures result from disregard of the conditions necessary to germination than from inferiority of the seeds used.*

These conditions are: A proper temperature, sufficient moisture and free access of air. Besides these, the soil must be in proper condition and present no physical obstacle to the growth of the young plant. If heavy rains have compacted the surface of the soil, and the sun has baked it to a hard crust, it will be impossible, even if all other conditions are favorable, for the seedling plants to force their way through it, and many perish from this cause alone.

Seeds differ greatly as to the temperature required for germination. Beets, cress, peas, etc., germinate rapidly at a temperature of 45°; but if melons and other seeds of that family, bush or pole beans, and other plants of subtropical origin, are sown under the same conditions, they will be apt to decay, as for their prompt germination they require a heat of at least 60°. For this reason many seeds fail yearly from too early sowing.

The second condition, proper moisture, is likely to be violated by an excess rather than by too small a portion. The proper amount is that which a well-drained soil will naturally hold.

Free access of air is all-important, and this is interfered with by an excess of water in the soil.

In germination complex chemical changes take place in the seeds, in which the air performs an important part. A portion of the seed is consumed, carbonic acid gas being given off in changing the starch and other constituents of the seed into nutriment to forward the growth of the germ or embryo plant, which depends upon the contents of the seed until it forms roots below ground and leaves above, and is able to sustain itself.

Besides these conditions affecting the germination of the seed, the young plants, after they have made their way to the surface, are liable to various accidents; a sudden current of very cold air, or a continuous drying wind may check their growth or destroy them altogether.

In addition, there are numerous insects, both below and above ground, that may attack the plants, some of them being so small that they

often destroy a crop before they are discovered.

We may also mention the well-known tendency of many vegetables to revert to their original types, notwithstanding the care of the seed-grower; the yellow-podded wax beans becoming green, the yellow and white celery becoming more or less green, dwarf peas becoming running sorts, etc.

F. W. BRUGGERHOF
President

J. M. THORBURN & CO.
53 Barclay Street, through to 54 Park Place, New York

ALL COMMUNICATIONS SHOULD BE ADDRESSED TO THE COMPANY
Telephone Nos. 6445 and 6446 Barclay. Private Exchange connecting all departments

J. M. Thorburn & Co. give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

J. M. THORBURN & CO.

Directions for the Cultivation of Vegetables

TO SECURE a good crop of vegetables, three things are necessary, viz., a suitable soil, pure seed and clean culture. The exposure for a vegetable-garden should be south or southeast, or nearly so. The soil should be naturally rich and friable, a sandy loam being about the best. If the soil be stiff, it should be gradually mellowed by the free use of barnyard manure, or, if convenient, by the addition of sand. If wet, or inclined to hold an excess of moisture, it should be underdrained, preferably by tile; but, if possible, a location should be selected naturally dry and free from surface water.

A dark-colored soil, or one supplied with a goodly portion of decayed vegetable matter, will produce the earliest crops. If the soil be shallow, it should be deepened gradually by plowing or spading an inch or two deeper each year, and not all at once by trenching or subsoiling, unless manure and money both be abundant. A sandy soil may be greatly improved by adding vegetable mold from the woods. To produce the best results, the vegetable-garden should have at least one foot of good, rich soil. The roots of large trees should not be allowed to encroach on any part of the garden, though large trees, sufficiently



PORTION OF OUR TRIAL-GROUNDS

far off, afford a valuable protection on the north and west.

Mark the garden off into squares or beds of convenient size, to facilitate the practice of a rotation of crops, which is an important matter. As a rule, never let the same crop or kind of vegetable occupy the same bed or spot two years in succession. Potatoes, Onions and a few other things may form exceptions to this rule. Every year the beds must be warmed up by a liberal coat of manure, which should be thoroughly mixed with the soil. From seeds sown in drills, larger crops from a given surface are grown, and cultivation is simple and comparatively easy. The space between the drills, and other special information, is given in the body of this catalogue; the least distance is named, in order to economize space; it might be increased in some cases to advantage. The ground should be frequently hoed, to kill the weeds and to keep the soil mellow; and the proper time to hoe is just when the weeds appear above the ground.

Much time may be gained by starting certain kinds of plants in a hotbed, or even in a coldframe, the latter being a convenient thing, even on a small place. The hotbed is chiefly intended for raising early Tomatoes, Eggplants, Peppers, Cabbage, Cauliflower, Lettuce, etc., but as all these plants can now be bought cheaply of this company at the proper time, the expense and labor of a hotbed may be dispensed with, especially on small places.

To prepare a coldframe.—The coldframe is

simply a frame set on the ground, no bottom heat being applied. It is banked up on the outside during the winter with salt hay, straw or coarse litter. The soil is prepared by forking in and thoroughly mixing to the depth of 10 to 12 inches a liberal quantity of old, well-rotted manure. The manure of an old hotbed is good for the purpose. The frame is prepared in the fall, and young Cabbage, Cauliflower and Lettuce plants are set out in it in time to get well established before very cold weather. Cauliflower and Cabbage should be set down to the first leaf, and the soil made firm around the plants. The seed is usually sown, in the vicinity of New York, from the 15th to the 20th of September, but the very early kinds some 8 or 10 days later. The young plants will be ready to transplant in about 25 to 30 days. During the cold nights and stormy days, the beds should be closely covered with the sashes, and these further protected by straw mats or shutters. Cauliflower needs more and closer protection than Cabbage, as it is rather more tender. During mild days admit air freely, the object being to keep the plants in a dormant state, without actual freezing, so that when spring comes they are in a forward state for setting out early crops. Seeds of Cabbage, Cauliflower, Lettuce and Radish may be sown in a coldframe in the spring from the last week in February to the first week in March. The frame should stand in a warm and sheltered spot, and be kept from freezing by mats or a thick covering of straw during cold nights.

Directions for Making a Hotbed

IN THE vicinity of New York, from the first to the latter part of March is quite early enough to make a hotbed. The time must vary according to the latitude. Use fresh horse-manure and add to this, if possible, one-third to one-half of its bulk of leaves. Mix them thoroughly, tramping down the mass in successive layers, and form into a large pile, so that fermentation will proceed.

In two or three days fermentation will be apparent by the escape of steam from the heap. Now turn again, and allow the heap to remain until the second fermentation commences. Make a pit 2½ feet deep, and of a size suited to the number of plants required. The pit will be better if built up of brick. It should be located in a dry, sheltered spot, facing the south or east, if possible. Hotbed sashes are usually 3 x 6 feet, and one or two sashes will give early plants enough for a small family. The frame of the bed should be 18 inches high at the back and 12 inches in front, which will give the proper slope to catch the sunlight. Crosspieces should be placed for the sashes to slide on, to facilitate opening and shutting the frames.

When everything is ready, the manure is

placed in the pit and trodden down firmly in layers to the required depth, 2 to 2½ feet. Then put on the sashes and keep the pit closed until the heat arises. At first it will probably be 100° or more, which is too hot to sow the seed in; but in two or three days it will subside to 90° or a little less, when the soil may be put on to the depth of 6 to 8 inches. Try the heat by plunging a thermometer into the manure.

The soil should be of well-rotted sod (or common garden soil will do), mixed with about a third of fine old manure; and in this the seeds may be sown thinly in drills 2 to 3 inches apart and afterward (as soon as out of the seed-leaf) either thinned out or else transplanted to another frame. Air must be given every mild day by raising the sashes at the back.

Water with tepid water whenever necessary, and during cold nights and snow-storms keep covered with mats or board shutters. Tomatoes, Peppers and Eggplants should be sown in a separate frame from Cabbage, Cauliflower and Lettuce, as they require more heat.

Hotbeds may be made on the surface of the ground, if the manure extends a foot wider on all sides than the frame.

Do You Need a Gardener?

At all times we have on our books the names of capable men in search of employment on private estates, farms and the like, and all persons in search of help are cordially invited to call upon us at any time for such men. Gardeners and Superintendents desiring positions are requested to call here, or drop us a line for application blanks.

Novelties and Specialties in Vegetable Seeds



"KHEDIVE"
TURNIP
BEET

Beet, Turnip, "Khedive"

EGYPTIAN NEW DARK-LEAVED

In all respects identical with the standard Egyptian Beet, but its foliage is smaller and of a fine, deep red. Pkt. 15 cts.

Beet, New Model Globe

Early and smooth; very dark red; splendid sort. Oz. 15 cts., lb. \$1.25.

Brussels Sprouts, "Hercules"

This fine, new sort is tolerably early, of dwarf habit (scarcely 1½ feet high), of robust and sturdy growth, and with large, round, solid Sprouts, beginning close to the ground. Desirable. Pkt. 10 cts., oz. 40 cts.

Thorburn's Gilt-Edge Cauliflower

Best and surest of all. Produces large, heavy, solid, white heads of finest quality. Undoubtedly the best variety. Pkt. 25 cts., oz. \$2, ¼lb. \$7.50.

New Early Cabbage, Copenhagen Market

GENUINE DANISH-GROWN SEED

Undoubtedly the finest, large, round-headed early Cabbage. The heads average about ten pounds each in weight, are very solid and of fine quality. It matures as early as Charleston Wakefield, and will give a heavier yield per acre than that well-known variety. The plant is short-stemmed, the leaves light green, rather small, and always tightly folded. The plants, therefore, can be set closer together than is usual with varieties of similar size. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.50.

Early Jersey Wakefield Cabbage

THORBURN'S SELECTED STOCK

Undoubtedly the finest strain of this most popular, well-known early Cabbage in cultivation. The heads are extremely solid, pyramidal in shape, with very little outside foliage. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

Extra-Early Nordheim Sweet Corn

The earliest Sweet Corn in cultivation. Produces stalks from 6 to 7 feet high, each bearing three or four nearly perfect ears of finest quality. On style of Minnesota, but far exceeding that variety in the deliciousness of its flavor, as well as in earliness and productiveness. Pt. 25 cts., qt. 40 cts., ½pk. \$1.25, pk. \$1.75.

Golden Evergreen Sweet Corn

Late; very sweet, round grains. Pt. 20 cts., qt. 30 cts., ½pk. 90 cts., pk. \$1.60.

Cucumber, Black Spine

Extra long; prolific; very fine sort. Pkt. 10 cts., oz. 20 cts., ¼lb. 40 cts., lb. \$1.50.

Cucumber, Thorburn's Noroton Selected White Spine

A selection of the Improved White Spine, but earlier, more perfect in shape and more prolific. The best slicing variety we have seen, being solid in flesh, fine-grained, tender and of delicious flavor. Vigorous, healthy grower. A splendid sort for the home garden, and absolutely without an equal for market. Pkt. 10 cts., oz. 20 cts., ¼lb. 40c., lb. \$1.50.

Delicious Gold-Lined Rocky Ford Cantaloup

Said to be the acme of perfection. Slightly oval; flesh thick, fine-grained and sweet; heavily netted over the entire melon. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.



THORBURN'S GILT-EDGE GOLDEN SELF-BLANCHING
CELERY

Celery, Thorburn's Gilt-Edge Golden Self-Blanching

Golden Self-blanching is the variety of Celery par excellence, and we can recommend our strain with every confidence. The chief characteristics of this sort are its self-blanching qualities and the beautiful waxy yellow appearance of the stalks. It is of compact, heavy growth and produces stalks that are brittle and crisp in the extreme and hearts that are large and solid. Pkt. 20 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$4, lb. \$15.

Thorburn's Big Boston Lettuce, Improved

Our strain of this well-known and most popular sort is without doubt the finest in existence. It is too well known to require any lengthy description. It is sufficient to say that it is equally valuable for growing in greenhouses for winter use, in frames for spring, or for sowing the seed in the open ground for use in summer and fall. It is unequaled by any other variety for crispness and tenderness; produces large, solid heads with few outside leaves, and stands long before running to seed. See illustration of a head of Big Boston Lettuce, Improved, on page 28. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

New Orchid Lettuce

The famous Orchid Salad used in many of the highest-class restaurants of New York. Golden yellow leaves with brown-red spots; solid and tender; the center leaves, just before making a head, strongly resemble orchid flowers on account of their coloring and formation. Should be cut as the orchid center develops, that is, when the plants have attained about one-quarter of their full growth. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.

Onion, Marvel of Pompeii

A small white Italian sort, two weeks earlier than Barletta. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Gradus Pea

Finest of all extra-early sorts; pods very large and well filled with large, wrinkled, deep green Peas of the finest quality. Pt. 20 cts., qt. 35 cts., $\frac{1}{2}$ pk. \$1.25, pk. \$2.

Thomas Laxton Pea

A cross between Gradus and another extra-early sort. Very early and very productive; the pods are large and contain seven or eight large, wrinkled Peas of the finest quality. Pt. 20 cts., qt. 35 cts., $\frac{1}{2}$ pk. \$1.25, pk. \$2.

Te Aroha, or Good Luck Pea

Fine, dark green foliage; large pods; Peas of superb flavor. Pt. 25 cts., qt. 40 cts., $\frac{1}{2}$ pk. \$1.35, pk. \$2.25.

Thorburn's Improved Terra-Cotta Tomato

An improvement on this very valuable sort introduced by us a number of years ago. It is quite distinct as to color, the pronounced terra-cotta being carried through almost to the very heart of the fruit. It is of delightfully tender flesh with almost no core and nearly free from acidity. It produces medium-sized Tomatoes, solid and firm, particularly desirable for slicing. A very handsome sort. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.



NAPOLEON TOMATO. ACTUAL SIZE

Tomato, "Napoleon"

A valuable new variety, growing in bunches like grapes; very prolific, each plant producing 100 to 150 Tomatoes of very best quality; color bright scarlet. (See illustration, actual size.) Pkt. 25 cts.

WE ARE IMPORTING

French Globe Artichoke Roots

Large, extra-strong roots of the green incurved variety, with a section of the parent stem attached. These "suckers" are taken from selected plants, insuring a high-grade product, which cannot be had from the ordinary seedling stock. 25 cts. each, \$2.50 per doz.

Flower Seed Novelties and Specialties of Merit



ELEGANCE
ASTERS

Elegance Aster (hA)

In Splendid Mixture

The first really beautiful single Aster. The growth is vigorous and the habit quite pyramidal. The flowers have very long, elegantly waved petals, and a very small yellow center only; each borne on a long, firm stem. It is astonishingly floriferous, and is extremely valuable either for bedding or for cut-flowers. The flowers last in water one to two weeks. Pkt. 15 cts.

Aster, Single Japanese (hA)

This Aster is of a branching habit, which is greatly in its favor as a cut-flower, it having a fine, long stem. The central disc of the flower is encircled by a wreath of long, quilled ray petals either white or delicate rose.

White, pkt. 20 cts.

Delicate Rose, pkt. 20 cts.

Aster perennis hybridus semiplenus (hP)

Semi-double Michaelmas Daisies or Hardy Asters

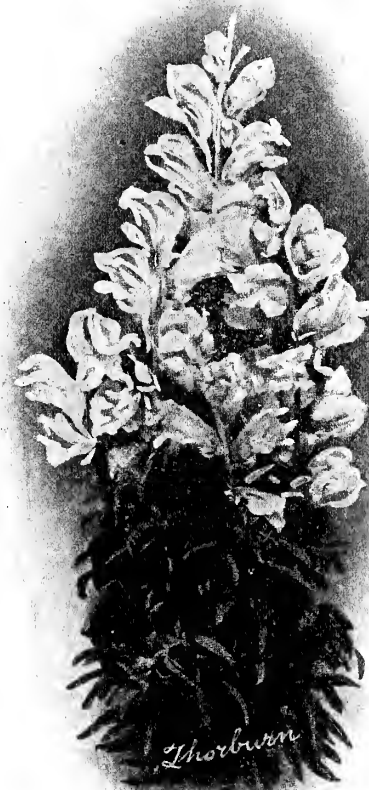
A fine new strain of semi-double varieties of this popular flower. It contains a mixture of beautiful shades. Pkt. 25 cts.

Aster, Giant "Maiden's Blush"

A beautiful light salmon-pink; extra-large, full-double flowers. The plant is of branching habit, about 18 inches in height and very free-flowering. A fine market flower. Pkt. 20 cts.

Alyssum Benthamii compacta lutescens

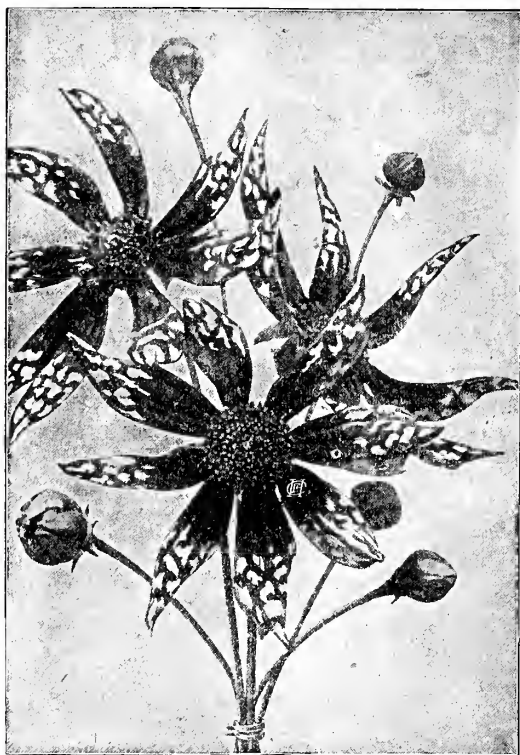
Dwarf, compact, upright growth, with yellowish flowers; useful for carpet-bedding or ribboning. Pkt. 20 cts.



ANTIRRHINUM NANUM GRANDIFLORUM, "MAUVE
BEAUTY"

Antirrhinum nanum grandiflorum, "Mauve Beauty"

A unique color in Antirrhinums and quite a new break. The color is a lovely shade of pale clear mauve; the flowers are large and the habit of the plant all that can be desired. A welcome addition to the Nanum type. Pkt. 20 cts.



CALLIOPSIS RADIATA, "TIGER STAR"

***Calliopsis radiata*, "Tiger Star"**

(hA)

A rich and continuously blooming annual, with peculiarly colored dark brown and golden yellow tigered flowers, the petals of which are curiously twisted like the cactus dahlia. Of easy culture, growing in ordinary garden soil, and producing its strikingly colored flowers in great abundance all summer. Grows 8 inches high and forms a round, compact bush. The unique form and coloring of the flowers will appeal to those who like oddities. Pkt. 15 cts.



DELPHINIUM PAULI

New Cardinal Climber* (hA)(Ipomoea Quamoclit hybrida)*

This beautiful annual is the result of a cross between *Ipomoea coccinea* and the Cypress Vine (*Ipomoea Quamoclit*). It is one of the best introductions as regards an annual climber for many years. It is a strong and rapid grower, attaining a height of from 20 to 30 feet, and is of a branching habit. It flowers perpetually from July until frost, the foliage is deeply lacinated, and the flowers are borne in clusters of five to seven, and are of a fiery cardinal-red. It is well worth trying. Pkt. 25 cts.

***Centaurea moschata rosea* (hA)**

This new, beautiful annual Sweet Sultan is $2\frac{1}{2}$ to 3 feet high, with flowers of a very delicate rosy white, and light pink stamens and style; the flowers are about the same size as the white and purple varieties, and will make fine flowers for cutting. Pkt. 25 cts.



CENTAUREA MOSCHATA ROSEA

***Cosmos*, White Lady Lenox**

An exact counterpart in every particular, except as to color, of the favorite Pink Lady Lenox Cosmos. Well worth a trial by all lovers of these splendid annuals. Pkt. 25 cts.

***Delphinium chinense grandiflorum*
violaceum rubrum (hP)**

This strain of Delphinium (*D. chinense*) has had only two colors up to this time, viz. blue and white. We offer a new color—violet-red. The flowers are large, and form in clusters on fine, long stems; the plant attains a height of 3 feet, and should gain the favor of many owners of gardens. Pkt. 25 cts.

Delphinium Pauli

A new perennial hardy Larkspur from East Africa. The plants form loosely branched bushes, $1\frac{1}{2}$ to 2 feet in height, with wire-like, stiff stems and branches bearing pure white flowers, $1\frac{1}{2}$ to $1\frac{3}{4}$ inches in diameter, with spurs of equal length; the stamens are dark violet-brown. A feature of this new Delphinium is the intense, sweet, eucharis-like scent of the flowers. Pkt. 20 cts.



DIMORPHOTHECA AURANTIACA HYBRIDA FL. PL.

***Dimorphotheca aurantiaca hybrida*
fl. pl. (hA)**

Double-Flowering African Daisy

This is the double and semi-double form of the African Golden Daisy hybrids which we offered last season. As the single form gave such entire satisfaction, we feel sure that this novelty will do likewise. Pkt. 25 cts.

***Eryngium hybridum spectabile* (hP)**

This beautiful strain of "Silver Thistle" is a great improvement on the *Eryngium giganteum*, being of far more vigorous growth. This hybrid has some beautiful colors in it, ranging from ivory-white to light lilac, sky-blue and deep violet. The quaint, bizarre flowers are most interesting, and everyone who fancies perennial plants should try this. Pkt. 25 cts.

Gazania longiscapa

A magnificent annual from South Africa. Forms round bushes about 8 inches in height, with dark green foliage, and covered with large, long-stemmed flowers of a lovely golden yellow with unique brown markings. Blooms continuously all through the season; of the easiest culture; succeeds best in a sunny location. Pkt. 25 cts.

***Gypsophila paniculata flore pleno*
(hP)**

By repeated artificial crossing of the double-flowering variety and the single-flowering type, seeds of this handsome perennial have been obtained which produce about 50 per cent of double-flowering plants. The flowers are of the purest white, and are indispensable for bouquets and vases. Pkt. 50 cts.

LEUCANTHEMUM
PRÆCOX,
"WHITE LADY"

***Leucanthemum praecox*, "White Lady"**

This new, hardy white Marguerite is a very showy perennial; about 60 per cent of semi-double flowers will be produced from seed. Excellent for cutting. Pkt. 25 cts.

Leucanthemum secundum giganteum

Giant Shasta Daisy (hP)

This strain has flowers which measure 4 to 5 inches across, borne on strong stems, 2 to 3 feet high; the discs of this beautiful Daisy are very small, of a deep golden yellow, surrounded with extremely long florets of snow-white. Pkt. 25 cts.

Lupinus polyphyllus Moerheimii

A perennial plant that everyone should have

This *New Perennial* Lupin is of rather dwarf habit, with beautiful rose-and-white flowers, and blooms continuously during the summer. Pkt. 25 cts.



PLANT OF GAZANIA LONGISCAPA

***Myosotis alpestris elegantissima*
coerulea flore pleno (hP)**

Double Blue Forget-me-not

A new double-flowered variety of the blue pyramidal Alpine Forget-me-not, coming nearly true from seed. Height of the plant, 8 to 9 inches. The double flowers preserve their freshness for a long time. Pkt. 25 cts.

***Nasturtium Lobbianum, Ivy-Leaved,*
*"Emma Alida"***

Dark, ivy-leaf-shaped foliage, with golden yellow and orange to deep scarlet, lacinated flowers; very lively colors. Pkt. 15 cts.

***Virginia Poppy* (hA)**

Papaver somniferum

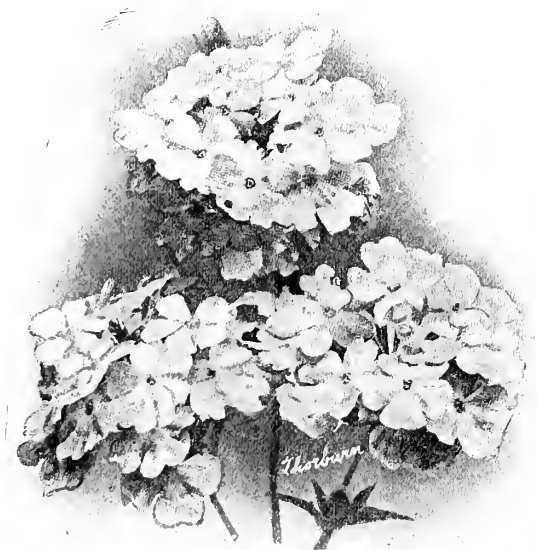
This new, large-flowering, single Poppy produces beautiful, large, white flowers with fringed, soft pink edges. They are especially recommended for cut-flowers, for they last long in vases, especially when cut in the morning before they are full blown. Pkt. 15 cts., 2 pkts. 25 cts.

***Snapdragon, Majus nanum,*
*Rembrandt***

Rembrandt is a quite new addition to this popular flower. It makes a fine spike, bearing flowers of a fiery scarlet, with white throats; the underlip is in three parts and each shows a distinct, sharply bordered, golden yellow spot. Pkt. 25 cts.

***Sunflower, Miniature, "Golden*
*Fleece"***

The cactus-shaped flowers of this variety are of a clear golden yellow with a dark center; the height of the plant is about 3 to 3½ feet, with long stems; excellent for cutting. Pkt. 15 cts.



VERBENA GRANDIFLORA, "HELEN WILLMOTT"



SUNFLOWER,
MINIATURE,
"GOLDEN
FLEECE"

***Verbena grandiflora, "Helen*
*Willmott"***

A very pretty, bright salmon-rose, with white eye. The seed produces plants with flowers many of which are of the true "Helen Willmott" color, with a percentage of varied shades, which are also very fine both in color and size. Pkt. 25 cts.

***Zinnia, Double Mammoth-Flowering*
(hA)**

A new and distinct class of this ever-popular flower, producing large, very double blooms, from 4½ to 6 inches in diameter. We offer five distinct colors, viz., Crimson, Flesh-color, Sulphur-Yellow, Violet and White. Each color and mixed, pkt. 15 cts. Collection of five varieties, one pkt. of each color, 60 cts.

Dahlia Roots

A fine selection of all sorts mixed, from our trial-grounds. **Extra-strong Clumps**, 20 cts. each, \$2 per doz.

Japan Iris

Mixed. From a superb collection of large-flowered sorts. 15 cts. each, \$1.50 per doz., \$11 per 100.

Collections of Vegetable Seeds

Only the choicest sorts are put into these assortments, and they are picked out so as to give a continuous supply of vegetables from your garden all season.

The amount charged for these collections is considerably less than you would pay for the individual seeds, on account of the fact that we are able to put them up during the slack winter months.

Owing to this, we **cannot permit any alterations in the varieties**, and the reduced price will not be allowed unless the collection is taken in full and without change.

COLLECTION NO. A, \$1 (Including free delivery)

This collection was gotten up primarily for rather small gardens, such as back-yard gardens and the like.

1/2 pt. Beans , Refugee Green-Pod.	1 pa. Cucumber , Imp. White Spine.	1/2 pt. Peas , Thorburn's Extra-Early Market.
1/2 " Beans , Golden Wax.	1 " Leek , Best Flag.	1 oz. Radish , Scarlet Turnip.
1 pa. Beet , Egyptian.	1 " Lettuce , Big Boston.	1 " Spinach , Viroflay.
1 " Cabbage , Early Wakefield.	1 " Onion , White Globe.	1 pa. Turnip , Snowball.
1 " Carrot , Half-Long.	1 " Parsley , Extra Curled.	
1/2 pt. Corn , Early Bantam.		

COLLECTION NO. 1, \$2.50 (Including free delivery)

Gotten up for a family of two or three persons. It is a rather complete list of varieties.

1 pt. Beans , Refugee Green-Pod.	1/2 pt. Corn , Cory.	1 pa. Onion , White Globe.
1 " " Golden Wax.	1/2 " " Stowell's Evergreen.	1 " " Large Red Globe.
1 pa. Beet , Egyptian.	1 pa. Cucumber , Imp. White Spine.	1 " Parsley , Extra Curled.
1 " " Globe.	1 " Eggplant , Imp. N. Y. Purple.	1 pt. Peas , Thor. Ex.-E'y Market.
1 " Cabbage , Early Wakefield.	1 " Kohlrabi , Early White Vienna.	1 " " Wrinkled, Our Select'n.
1 " " Red, for pickling.	1 " Leek , Best Flag.	1 oz. Radish , Scarlet Turnip.
1 " Carrot , Half-Long.	1 " Lettuce , Big Boston.	1 " Spinach , Viroflay.
1 " Cauliflower , Thor. Gilt-Edge.	1 " " Cos or Romaine.	1 pa. Tomato , Stone.
1 " Celery , White Plume.	1 " Melon , Long Island Beauty.	1 oz. Turnip , Snowball.
1/2 pt. Corn , Early Bantam.	1 " Water , Black Spanish.	

COLLECTION NO. 2, \$5 (Including free delivery)

This assortment is suitable for a family of approximately five persons.

1 pt. Beans , Refugee Green-Pod.	1 pt. Corn , Country Gentleman.	1 oz. Parsnip , Hollow Crown.
1 " " Early Valentine.	1 " " Metropolitan.	1 pt. Peas , Thor. Ex.-E'y Market.
1/2 " " Stringless Green-Pod.	1 " " Stowell's Evergreen.	1 " each Peas , Three Best Wrinkled, Our Selection.
1/2 " " Challenger Lima.	1 oz. Cucumber , Imp. White Spine.	1 pa. Pepper , Chinese Giant.
1 oz. Beet , Eclipse.	1 pa. Eggplant , New York Purple.	1 oz. Radish , White-tipped.
1 " " Egyptian.	1 " Kohlrabi , Early White Vienna.	1 " " Scarlet Turnip.
1 " " Globe.	1 " Leek , Best Flag.	1 " " Scarlet Globe.
1 pa. Cabbage , Early Wakefield.	1 " Lettuce , Big Boston.	1/2 " Salsify , Mam. Sandwich Island
1 " " Ballhead.	1 " " May King.	1 lb. Spinach , Viroflay.
1 " " Thorburn Private	1 " " Cos or Romaine.	1 pa. Squash , Early Bush Crook-neck.
1 " " Stock Flat Dutch.	1 " " Giant Crystal Head.	1 " " Hubbard.
1 oz. Carrot , Half-Long.	1 " Melon , Netted Gem.	1 " Tomato , Early June Pink.
1 " " St. Valery.	1 " " Long Island Beauty.	1 " " Stone.
1 pa. Cauliflower , Thor. Gilt-Edge.	1 " Water , Black Spanish.	1 oz. Turnip , Snowball.
1 " Celery , Giant Pascal.	1 oz. Okra , Perkins' Improved.	1 " " Thorburn Rutabaga.
1 " " White Plume.	1/2 " Onion , White Globe.	1 " " Yellow Globe.
1 " " Fin de Siecle.	1/2 " " Large Red Globe.	
1 pt. Corn , Early Bantam.	1 pa. Parsley , Extra Curled.	

COLLECTION NO. 3, \$10 (Including free delivery by express)

Will make an excellent garden for a farm or country estate desiring to put about one acre under cultivation for vegetables.

1 qt. Beans , Refugee Green-Pod.	1 qt. Corn , Stowell's Evergreen.	2 ozs. Parsnip , Hollow Crown.
1 pt. " Early Valentine.	1 oz. Corn Salad , Large-seeded.	1 qt. Peas , Thor. Ex.-E'y Market.
1 " " Golden Wax.	2 " Cress or Pepper Grass .	1 " each Peas , Four Best Wrinkled, Our Selection.
1 " " Stringless Green-Pod.	1 " Cucumber , Imp. White Spine.	1 pa. Pepper , Chinese Giant.
1 " " Challenger Lima.	1 pa. Eggplant , Imp. N. Y. Purple.	2 ozs. Radish , White-tipped.
2 ozs. Beet , Egyptian.	1/2 oz. Endive , Green Curled.	2 " " Scarlet Turnip.
2 " " Globe.	1/2 " " Broad-leaved.	2 " " Scarlet Globe.
2 " " Half-Long.	1/2 " Kohlrabi , Early White Vienna.	1 " " Chinese Winter.
1 pa. Brussels Sprouts , Dalkeith.	1/2 " Leek , Best Flag.	2 " Salsify , Mammoth Sandwich Island.
1/2 oz. Cabbage , Early Wakefield.	1/2 oz. Lettuce , Big Boston.	1/2 lb. Spinach , Viroflay.
1/2 " " Thorburn Private	1/2 " " May King.	1 oz. Squash , E'y Bush Cr'kneck.
1/2 " " Stock Flat Dutch.	1/2 " " Cos or Romaine.	1 pa. " Hubbard.
1 " Carrot , Early French Forcing.	1/2 " " Giant Crystal Head.	1 oz. " Boston Marrow.
1/2 " Cauliflower , Thor. Gilt-Edge.	1 pa. Melon , Long Island Beauty.	1 pa. Tomato , Early June Pink.
1 pa. " Thor. Snowball.	1 " " Netted Gem.	1 " " Stone.
1/2 oz. Celery , Fin de Siecle.	1 " Water , Black Spanish.	1 oz. Turnip , Thorburn Rutabaga.
1/2 " " White Plume.	2 ozs. Okra , Perkins' Improved.	1 " " Snowball.
1 pa. " Golden Self-blanching.	2 " Onion , Yellow Danvers.	1 " " Yellow Globe.
1 qt. Corn , Early Bantam.	1 " " Large Red Globe.	1 pa. each Herbs , Five Varieties.
1 " " Cory.	2 " " White Globe.	
1 " " Country Gentleman.	1 " Parsley , Extra Curled.	

COLLECTIONS OF VEGETABLE SEEDS, continued

COLLECTION NO. 4, \$19 (Including free delivery by express)

If your needs require quite a quantity of fresh vegetables, and you have around three acres that you wish made into a garden, you could not do better than to buy this collection. There are quite a number of private estates and farms that are now doing away with the trouble of going through lengthy lists of vegetables suitable to their needs, and are leaving the matter to our judgment. This collection represents our recommendation as to just what should be used, with the exact quantities for planting approximately three acres, and getting the most out of the land.

1 qt. Beans , Refugee Green-Pod.	2 qts. Corn , Country Gentleman.	8 qts. Peas , Four Best Wrinkled.
1 " " Early Valentine.	2 " " Metropolitan.	Our Selection.
1 " " Stringless Green-Pod.	2 " " Stowell's Evergreen.	$\frac{1}{2}$ oz. Pepper , Chinese Giant.
1 " " Challenger Lima.	1 oz. Cucumber , Imp. Long Green.	$\frac{1}{4}$ lb. Pumpkin , White Cushaw, or Jonathan.
4 ozs. Beet , Eclipse.	2 " " Imp. White Spine.	
4 " " Egyptian.	$\frac{1}{2}$ " Eggplant , Imp. N. Y. Purple.	4 ozs. Radish , White-tipped.
4 " " Globe.	1 " Endive , Green Curled.	4 " " Scarlet Turnip.
4 " " Half-Long.	1 " " Broad-leaved.	2 " " Early White Turnip.
$\frac{1}{2}$ " Brussels Sprouts , Dalkeith.	1 " Kohlrabi , Early White Vienna.	4 " " Scarlet Globe.
$\frac{1}{2}$ " Cabbage , Early Wakefield.	1 " Leek , Best Flag.	4 " Salsify , Mammoth Sandwich Island.
$\frac{1}{2}$ " " Savoy, Early.	1 " Lettuce , Big Boston.	$\frac{1}{2}$ lb. Spinach , New Zeal. Summer.
$\frac{1}{2}$ " " Thorburn Private Stock Flat Dutch	1 " " Cos or Romaine.	1 " " Viroflay.
4 " Carrot , Early French Forcing	1 " " E'y Curled Simpson.	1 oz. Squash , E'y Bush Cr'kneck.
4 " " Half-Long.	1 " " Giant Crystal Head.	1 " " Hubbard.
4 " " Long Orange.	2 " Melon , Netted Gem.	1 " " Boston Marrow.
$\frac{1}{4}$ " Cauliflower , Thorburn Gilt-Edge.	2 " " Long Island Beauty.	$\frac{1}{2}$ " Tomato , Early June Pink.
1 pa. " Thor. Snowball.	2 " Okra , Perkins' Improved.	$\frac{1}{2}$ " " Stone.
1 oz. Celery , Fin de Siecle.	2 " Onion , Yellow Danvers.	1 pa. " Beauty.
1 " " White Plume.	4 " " White Globe.	2 ozs. Turnip , Snowball.
1 " " Golden Self-blanching.	4 " " Large Red Globe.	2 " " Yellow Globe.
2 qts. Corn , Early Bantam.	2 " Parsley , Extra Curled.	2 " " Thorburn Rutabaga.
2 " " Cory.	4 " Parsnip , Hollow Crown.	1 pa. each Herbs , Five Varieties.
	1 qt. Peas , Thor. Ex.-E'y Market.	

CHOICE COLLECTIONS OF FLOWER SEEDS

(FREE BY MAIL)

Collection of 12 varieties of Dwarf Annuals, 1 packet each, as follows.....**.93000 50 cts.**

Asters, Mixed	Larkspur, Dwarf Rocket, Mixed	Phlox Drummondii, Mixed
Candytuft, Mixed	Marigold, Dwarf French, Mixed	Portulaca, Single, Mixed
Convolvulus, Dwarf, Mixed	Mignonette	Sweet Alyssum
Eschscholtzia, Mixed	Nasturtium, Dwarf, Mixed	Zinnia, Dwarf, Mixed

Collection of 12 varieties of Tall Annuals, 1 packet each, as follows.....**.93020 50 cts.**

Centaurea cyanus, Mixed	Larkspur, Tall Rocket, Mixed.	Poppy, Mixed
Clarkia, Mixed	Lupinus, Mixed	Scabiosa, Tall, Mixed
Collinsia, Mixed	Marigold, African, Mixed	Sunflower
Cosmos, Mixed	Malope, Mixed	Zinnia, Tall, Mixed

Collection of 24 varieties of Annuals, 1 packet each, all carefully selected in pictorial pkts..**.93050 \$1****Collection of 12 varieties of Dwarf Perennials**, 1 packet each, as follows.....**.93080 \$1**

Alsine pinifolia	Candytuft gibraltarica	Lychnis Haageana Hybrids
Alyssum saxatile compactum	Daisy, Double, Mixed	Pinks, Mixed
Arabis alpina	Gypsophila cerastoides	Primrose, Yellow
Campanula grand. Mariesii	Leontopodium (Edelweiss)	Snapdragon, Dwarf, Mixed

Collection of 12 varieties of Tall Perennials, 1 packet each, as follows.....**.93120 85 cts.**

Aquilegia, Mixed	Foxglove	Phlox decussata
Centaurea candidissima	Gaillardia	Poppy, orientale
Coreopsis	Galega	Scabiosa caucasica
Delphinium, Mixed	Lupinus polyphyllus	Sweet William

Collection of 12 varieties of Everlastings, 1 packet each.....**.93140 50 cts.****Collection of 12 varieties of Greenhouse Seeds**, 1 packet each, as follows.....**.93180 \$2**

Asparagus plumosus nanus	Coleus, Fine Hybrids	Musk Plant
Begonias, Single, Tuberous-rooted	Cyclamen giganteum, Mixed	Primula chinensis fimbriata, Extra-fine Mixed
Cineraria hybrida, Mixed	Heliotrope	Smilax
Calceolaria hybrida, Large-flowered, Self-colored	Primula obconica grandiflora hybrida, Mixed	Stevia serrata

Collection of 12 varieties of Annuals for Bees, 1 packet each.....**.93200 50 cts.**

Vegetable Seeds

Please notice that we pay postage or express charges on all garden seeds ordered by the packet, ounce and quarter-pound. If larger quantities are ordered to be sent by mail, add postage at zone rates.

See pages 11 and 12 of this Catalogue for COMPLETE COLLECTIONS OF VEGETABLE SEEDS of approved and choice sorts for from \$1 to \$19, and page 12 for CHOICE COLLECTIONS OF FLOWER SEEDS.

ARTICHOKE

ARTICHAUT *Alcachofa* *Artichoke*

CULTURE.—Deep, rich, sandy loam with plenty of well-rotted manure. Sow seeds in April or May, and when plants are large enough, transplant into rows 3 to 4 feet apart and 2 feet in the rows. They reach maturity the second year. When cold weather sets in, bank the earth to the top, first cutting off and tying up the leaves so that they will occupy less space, and in the spring fork in a dressing of manure. Artichoke may also be treated as an annual by sowing the seed in hotbeds during February and transplanting in May. The heads should be cut off and used as they get ready. If left to ripen on the plant, they will exhaust it, and no more will be produced that season. Heads are unfit for culinary purposes after the flowers expand.

French Green Globe. (Seed.) The standard sort. Oz. ¼lb. Lb.
 pkt. 10c...110 \$0 40 \$1 25 \$4 50
French Mammoth Laon......pkt. 10c...130 50 1 50 5 00
Jerusalem Artichoke Roots. Qt. 25 cts.
FRENCH GLOBE ARTICHOKE ROOTS. (Ready in April.) Extra-large, strong roots, from selected plants,—not seedling plants, which rarely come true. 25 cts. each, \$2.50 per doz.

ASPARAGUS

ASPERGES *Esparrago* *Spargel*

CULTURE.—Sow the seed thinly in rows 1 foot apart in April or May (4 or 5 lbs. to the acre), and keep down all weeds. To secure strong, healthy plants, thin the seedlings to 3 or 4 inches in the rows, saving only the strongest. The one-year-old plants should be set out in spring in rich, sandy loam, dug 18 inches deep, into which has been worked plenty of well-rotted manure. If a stiff clay soil is all that can be had, add plenty of sand and sifted coal-ashes to loosen it up, and also see that it is well underdrained. In planting for private use, set out in beds 5 feet wide, three rows in a bed, the outer being each 1 foot from the edge, and allow 18 inches between the rows; set the plants from 4 to 6 inches below the surface. If set out in autumn, top-dress with 6 inches of manure. For market, on a large scale, set out 4 by 1½ feet. Every fall apply a good dressing of coarse manure, after the tops have been cut, and in spring fork in. Never cut too closely. The roots need the benefit of some foliage during the year, else they will weaken and die. Slugs are easily destroyed by applying air-slaked lime or paris green. *Asparagus from seed does not always come true to name.*

Colossal. The approved standard sort. The famous *Argenteuil* of the French is identical with it.....170 \$0 10 \$0 15 \$0 40
Palmetto. Of southern origin; a very desirable, bright green Asparagus.....180 10 15 40
Bonvalette's Giant. An improved Palmetto, said to produce larger stalks.....190 10 25 75
Columbian Mammoth. Very large shoots...200 10 25 75

All 5 cts. per packet

ASPARAGUS ROOTS

Plant either in spring or fall

	50	100	1,000
Colossal. 2-year-old roots.....	\$0 60	\$1 00	\$7 00
“ 4-year-old roots. For forcing.....	1 25	2 00	
Columbian Mammoth. 2-year-old roots.....	60	1 00	7 00
Barr's Mammoth. 2-year-old roots.....	60	1 00	7 00
Giant Argenteuil. 2-year-old roots.....	60	1 00	7 00
Palmetto. 2-year-old roots.....	60	1 00	7 00

In France a business is now made of growing small, green, delicate shoots of Asparagus during the winter. Strong roots may be forced in hotbeds out-of-doors. They should be packed closely into the frames, and by making a new bed every five or six weeks these tiny shoots may be had all winter and are valuable served with omelets, green peas, etc.

BORAGE

BOURRACHE *Boraja* *Borretsch*

The young leaves of this annual, which smell somewhat like a cucumber, are used as a salad, or boiled like spinach. Should be sown at intervals, as the leaves are palatable only when young. Sow in the spring, in light soil; transplant in shallow drills, a foot apart, when of six weeks' growth. 240. Pkt. 5c., oz. 10c., ¼lb. 30c., lb. \$1.

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound



COLOSSAL ASPARAGUS

BEANS

As a farinaceous food for man, the Bean is considered far superior to any other legume, and next in importance to wheat. The modern varieties leave little to be desired; the great care given to their improvement has resulted in superior sorts, greatly extending the season of use, as well as varying the flavor.

CULTURE.—About the first of May, if the ground is perfectly warm, select a warm, dry, sheltered spot, dig and manure slightly; make drills 2 inches deep and 18 inches to 2 feet apart; drop the Beans 3 inches apart in the drills, and cover not more than 2 inches deep. Hoe well in dry weather to keep down the weeds. Sow every two weeks for a succession. One quart to 100 feet of drill; one bushel to the acre, in drills.

DWARF GREEN-PODDED SNAP BEANS

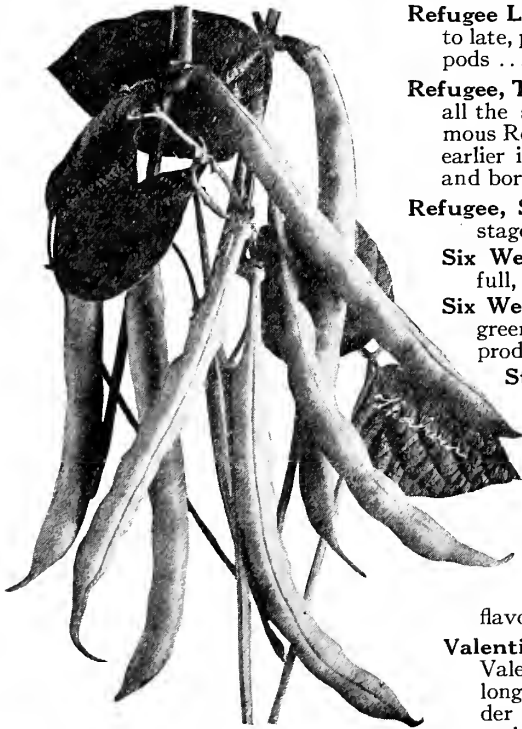
HARICOTS NAINS

Frijoles

Krup-Bohnen

We supply packets of all Green-podded Snap Beans at 10 cts. each, postpaid; other quantities **NOT** prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart

	Pt.	Qt.	½pk.	Pk.
Bountiful. Extra early, very prolific and long-bearing; flat, green pods, tender and stringless.....	310	\$0 20	\$0 35	\$1 00
China. White, pink eye; early and bears long, flat pods.....	314	15	30	1 00
Dwarf Horticultural. Late and productive; broad, flat, stringless pods..	320	25	40	1 35
Full Measure. Large, round pods, firm, tender, sweet and entirely stringless. Fine shipper and keeper.....	340	25	40	1 35
Fulmer Forcing. A fine, dwarf, forcing variety	343	50		
Goddard, Improved (Boston Favorite). Long, flat pods; stringless; very prolific; late. Can also be used as a shell Bean.....	360	25	40	1 35
Green-seeded Flageolet. Used as a <i>shell Bean</i> when green for many exquisite French dishes. Beans tender and of fine flavor.....	370	25	40	1 50
Hodson Green-Pod. A green-podded form of Hodson Wax.....	380	15	30	1 00
Longfellow. Long, straight, round, solid, green pods; very early	390	20	35	1 25
Low's Champion. Large, flat pods, stringless; fine flavor; early.....	400	20	35	1 25
Mohawk. Long, flat, straight pods; early; very productive.....	420	15	30	1 00
Refugee Late, or 1,000-to-1. Medium to late, productive and tender; round pods	440	25	40	1 35
Refugee, Thorburn Extra-Early. Has all the superior qualities of the famous Refugee, and is fully two weeks earlier in podding. Beans extra fine and borne profusely.....	450	25	40	1 35
Refugee, Stringless. Stringless at all stages of development.....	470	25	45	1 50
Six Weeks, Long Yellow. Early; full, flat pods.....	480	20	35	1 00
Six Weeks, Round Yellow. Full, green, roundish pods; early and productive; fine flavor.....	485	20	35	1 25
Stringless Green-Pod. Extra early; stringless; prolific; round pods....	490	25	40	1 35
Stringless Green-Pod Giant. Improved long-podded strain of above.....	500	25	45	1 50
Valentine, Extra-Early. Round, thick, solid pods; tender; fine flavor.....	520	20	35	1 00
Valentine, Black. Resembles the Valentine, but with black seed; long, round solid pods; very tender and of good flavor; very early	540	25	40	1 35



STRINGLESS GREEN-POD GIANT BEANS

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

ENGLISH DWARF BEANS

FEVE DE MARIAS

Haba

Große Bohnen

CULTURE.—Sow in drills 2 feet apart, as early in the spring as the ground can be worked (these are as hardy as peas), in order to get them into pod before the heat of summer. When in pod, break off the top of the plant to check the growth. Plant and hoe the same as for Dwarf Beans. A strong soil suits them best.

Properly cooked, these Beans form one of the most delicious vegetables. To each half gallon of water allow one heaped tablespoonful of salt. The Beans should be young and freshly gathered. After shelling, put them into boiling water, salted as above. Boil rapidly for fifteen or twenty minutes, then serve with a sauce of parsley and butter. Boiled bacon is often served with the Beans.

	Pt.	Qt.	½pk.	Pk.
Broad Windsor. Largest and best of the class.....	650	\$0 15	\$0 30	\$1 00 \$1 75

DWARF WAX BEANS

We supply packets of all Dwarf Wax Beans at 10 cts. each, postpaid; other quantities NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart

	Pt.	Qt.	½pk.	Pk.
Black Wax, Improved Prolific. Very early and prolific. The pods are round, full, stringless and of fine quality.....	750	\$0 25	\$0 45	\$1 50 \$2 50
Black Wax, Currie's Rust-proof. Flat pods; early; productive.....	770	25	45	1 50 2 50
Black Wax, Pencil-Pod. Slender, long, round pods.....	780	25	45	1 50 2 50
Davis Kidney Wax. Long, handsome, waxy white, flat pods.....	790	25	45	1 50 2 50
Golden Wax, Improved. Very early; flat pods; stringless; prolific.....	800	25	45	1 50 2 50
Golden-eyed Wax. Hardy and prolific; flat, yellow pods; early and free from rust.....	820	25	45	1 50 2 50
Hodson Wax. Very large, brittle and tender wax pods; enormously productive; late.....	830	25	45	1 50 2 50
New Kidney Wax. (Burpee.) On the style of Wardwell's Kidney Wax, but with longer pods, a more handsome appearance and stringless....	840	25	45	1 50 2 50

Refugee Wax, Thorburn's Stringless.

A perfect Refugee, with brittle, wax pods; for early or late sowing; immense yield; late....

850	25	45	1 50	2 50
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Round-Pod Kidney Wax (Brittle Wax).

Same as Wardwell's Kidney, but with round pods; late; stringless.....

860	25	45	1 50	2 50
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Sure-Crop Stringless Wax.

Stringless, long, flat pods; abundant cropper....

870	25	45	1 50	2 50
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Valentine Wax, Thorburn's.

Round pod; prolific.....

880	25	45	1 50	2 50
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Wardwell's Kidney Wax.

Early; long, flat, purely wax pods; stringless.....

890	25	45	1 50	2 50
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THORBURN'S STRINGLESS REFUGEE WAX BEANS

DWARF LIMA BEANS

We supply packets of these Beans at 10 cts. each, postpaid; other quantities, NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart

	Pt.	Qt.	½pk.	Pk.
Thorburn's Dwarf Lima. (The True Kumerle Strain.) The dwarf form of our famous Challenger Lima—the finest of all Limas. It possesses the flavor of the genuine Challenger Lima. The Beans are extra large, and are a pure creamy white; very tender. They cook very mealy and form an excellent dish.....	1000	\$0 30	\$0 50	\$1 75 \$3 00
Burpee's Bush Lima. A bush form of the large, flat Pole Lima, growing only 18 to 20 inches high. The Beans are borne very profusely....	1010	25	45	1 50 2 50

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

DWARF LIMA BEANS, continued

	Pt.	Qt.	½pk.	Pk.
Burpee's Improved Bush Lima. An improved strain of Burpee's Bush Lima, having much larger pods and Beans1020	\$0 30	\$0 50	\$1 75	\$3 00
Fordhook Bush Lima. Immense pods and Beans; a strong grower and very prolific.....1030	30	50	1 75	3 00
Henderson Bush Lima, or Dwarf Sieva. Productive; Beans somewhat smaller than the others but of fine quality1040	20	35	1 25	2 25
New Wonder Bush Lima. Early and productive; similar to Burpee's Bush Lima.....1050	25	45	1 50	2 50
Wood's Prolific Bush Lima. The Early Sieva, or Butter Bean of the South. Very productive.....1060	20	35	1 25	2 25

POLE or RUNNING BEANS

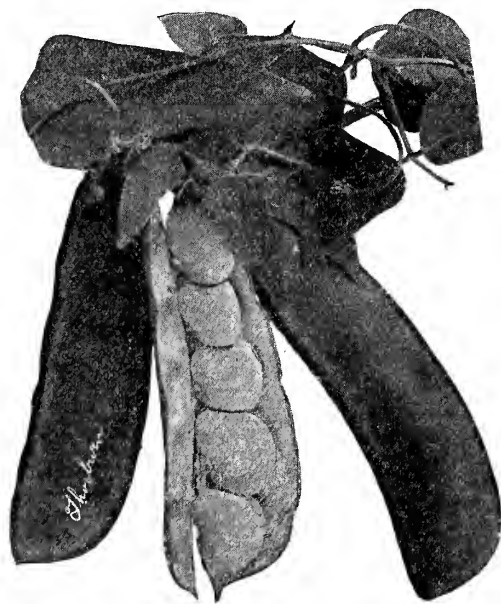
HARICOTS A RAMES

Frijoles de Bejuco

Stangen-Bohnen

We supply packets of Pole Beans at 10 cts. each, postpaid; other quantities NOT prepaid; add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart

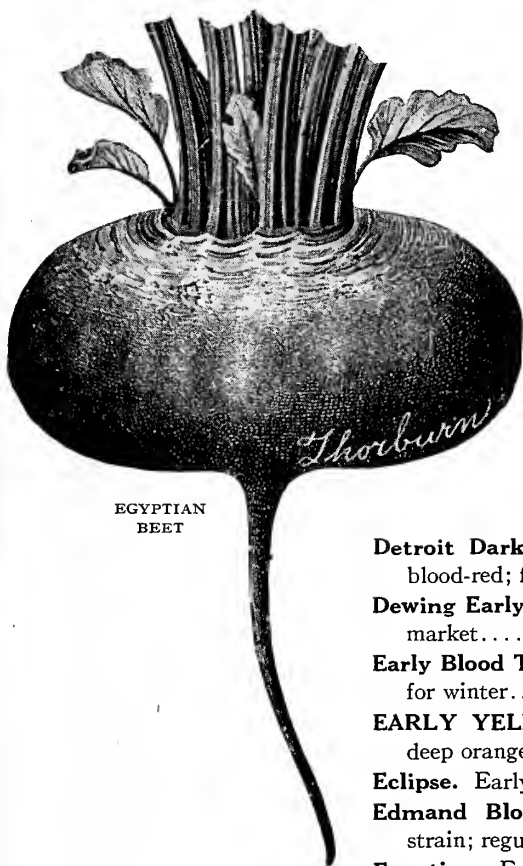
CULTURE.—Sow as the soil becomes warm and dry, from the first part of May (for all except Limas) to the latter part of May, in hills 4 feet apart each way. Limas should not be planted until warm weather has fairly set in. One quart of Limas will plant about 100 hills, allowing four or five Beans to a hill, and of the smaller sorts, about 200 hills. Poles 8 to 10 feet long should be firmly set in the hills before planting seed.



THORBURN'S CHALLENGER LIMA BEANS

	Pt.	Qt.	½pk.	Pk.
LIMA, THORBURN'S CHALLENGER. Thick and productive; best of all.....1200	\$0 25	\$0 45	\$1 50	\$2 50
Lima, Carpinteria Pole. Large; thicker than ordinary Pole Limas; vigorous grower...1204	20	35	1 25	2 25
Lima, Ideal Pole. Large, tender and of fine flavor; productive; like Large White Lima.....1210	20	35	1 25	2 25
Lima, Early Jersey. Very early; Beans large and tender and average three to a pod.....1214	20	35	1 25	2 25
Lima, King of the Garden. Large.....1230	20	35	1 25	2 25
Lima, Siebert's Early. Very early; immense yielder; large-sized Beans, finest quality...1240	20	35	1 25	2 25
Lima, Small Sieva or Carolina. Early...1250	20	35	1 25	2 25
Black German Wax. Yellow pods1260	25	45	1 50	2 50
Dutch Case-Knife. Pods long, green and flat; can be either snapped or shelled1270	20	35	1 25	2 25
Golden Cluster Improved Wax. Long, golden yellow pods in clusters..1300	30	50	1 75	3 00
Horticultural Pole. Good as a snap or as a shell Bean; one of the old standards and still very popular.....1280	20	35	1 25	2 25
Horticultural Golden Carmine Wax-Pod. Very handsome; large; stringless.....1286	20	35	1 25	2 25
Kentucky Wonder (Old Homestead). Pods green; very long and flat; exceedingly prolific1310	20	35	1 25	2 25
Scarlet Runner. (Crop failed.).....1340				
Southern Creaseback. Long, round, stringless pods; fleshy, tender and of good flavor1350	15	25	85	1 50
Southern Prolific. A continuous bearer1352	20	35	1 25	2 00
Yard-Long French. (Crop failed.)1390				

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

EGYPTIAN
BEET

BEET

BETTERAVE

*Remolacha**Salatrübe*

CULTURE.—Sow as early in the spring as the ground can be worked (one ounce to 50 feet of drill, five or six pounds to the acre), and every two weeks after for a succession up to the first week of July. For general crop, sow about the middle of May. The soil should be light, sandy loam, well enriched with stable manure and plowed and harrowed until very fine. Sow in drills 1 foot to 15 inches apart, and when well up, thin to from 4 to 6 inches. The young Beets, with their tops, pulled out of the row, are excellent used as a spinach. For this purpose, sow frequently and use when of the size of a hickory nut.

Bassano. Early; light color; good Oz. ¼lb. Lb.
sort.....1500 \$0 15 \$0 40 \$1 25

Crimson Globe. Globular shape; flesh rich, deep crimson; tender and sweet.....1520 15 40 1 25

Detroit Dark Red Turnip. Round; skin dark blood-red; flesh bright red.....1540 15 40 1 25

Dewing Early. Of fine form and flavor; good for market.....1550 15 40 1 25

Early Blood Turnip. Dark red; fine flavor; good for winter.....1560 10 30 1 00

EARLY YELLOW TURNIP. Very early; flesh deep orange-yellow; sweet and tender.....1564 20 60

Eclipse. Early; round; bright red.....1570 10 30 1 00

Edmand Blood Turnip. A market-gardeners' strain; regular in shape and of best quality.....1580 10 30 1 00

Egyptian. Extra early; flat.....1590 10 30 1 00

Egyptian, Crosby's. Extra early; round; dark blood-color.....1600 15 40 1 25

Half-Long Blood. Fine dark strain for winter.....1610 10 30 1 00

Lentz. Extra early; large; round; light red; small tops.....1618 10 30 1 00

Long Smooth Blood. (Out of ground.) A good late variety for winter.....1620 10 25 75

Long Blood.....1630 10 25 75

Model Red Globe. Early and smooth; very dark red; splendid sort.....1635 15 40 1 25

Trevis (Columbia). Red; early; flat; tender. Fine sort for table.....1644 15 40 1 50

Witham Fireball. Brilliant red flesh, solid, sweet and crisp; fine quality; globe-shaped; very early.....1650 15 40 1 25

Swiss Chard, or Silver Beet. To be used same as spinach.....1690 10 25 75

Swiss Chard, or Silver Beet, Lucullus. Large leaves; tender and of fine flavor, dark green; pure white ribs.....1700 15 40 1 25

All 5 cents per packet

FOLIAGE BEET

These varieties are grown only for their handsome foliage, which is very ornamental and decorative.

	Oz.	¼lb.	Lb.
Golden-veined Brazilian	57340	\$0 20	\$0 40 \$1 50
Scarlet-veined Brazilian	57350	20	40 1 50
Crimson-veined Brazilian	57360	20	40 1 50
Scarlet-ribbed Chilian	57370	20	40 1 50
Yellow-ribbed Chilian	57380	20	40 1 50
Dracæna-leaved	57390	20	40 1 50

All 5 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.

MANGEL-WURZEL AND SUGAR BEET

Runkelrüben

CULTURE.—As all Mangels require a deep soil in order to grow well, plow and subsoil at least 1 foot to 18 inches and apply plenty of rich stable or Thorburn's Complete Manure. Sow in May or June, in rows 18 inches to 2 feet apart, and thin to 8 inches in the rows. Young plants may be transplanted to fill up vacancies. Sow in addition, when the plants are 3 to 4 inches high, at the rate of 200 pounds of Complete Manure, 200 pounds of bone meal and 400 pounds of salt to the acre. As soon as frost occurs, dig the crop. In order to be well preserved for gradual consumption during the winter, Mangel-Wurzels should be heaped to a height of perhaps 6 feet, on a dry, sloping situation; cover at first with a piece of canvas, and, as the cold increases, this should be replaced by about 6 inches of either salt hay, straw, seaweed or cornstalks, with a light layer of earth on top. As soon as this surface soil becomes frozen, about 6 to 8 inches more of earth should be placed over it. By following up this gradual process of covering, all danger of heating will be obviated, and the roots will keep in perfect order. *Sow from five to eight pounds to the acre.*

MANGEL-WURZEL

	Oz.	¼lb.	Lb.
Giant Half-Sugar Red-skinned. Longish ovoid; red skin; white flesh; crisp and fine.....	1850	\$0 10	\$0 25
Giant Yellow Intermediate. Very large.....	1860	10	25
Golden Tankard Mangel-Wurzel. Large; bright yellow skin; handsome, sweet and productive.....	1870	10	20
Golden Flesh Globe. Very handsome strain.....	1874	10	20
Mammoth Long Red Mangel-Wurzel. Very large; enormously productive under careful culture.....	1910	10	20
Orange Globe. Productive and of good size.....	1930	10	20
Yellow Ovoid. Of distinct shape; one of the most productive sorts; flesh white, tender and sweet.....	1950	10	20

SUGAR BEET

We recommend five to ten pounds to the acre.

	Oz.	¼lb.	Lb.
Klein Wanzleben	2000	\$0 10	\$0 20
Vilmorin, Improved	2010	10	20
White, Rose-Top	2020	10	20
White, Green-Top	2030	10	20
Lane's Imperial	2040	10	20

BROCCOLI

BROCCOLI *Brocoli* *Spargelf Kohl*

CULTURE.—Sow early sorts as soon as the ground can be worked in the spring, in shallow drills, drawn 3 or 4 inches apart. Plant out 2 feet apart each way when the plants are about 4 inches high. Cultivate the same as cabbage, in rich soil, and use the same remedies for insect attacks. The following are sorts best adapted to this climate; they are excellent and deserve much wider culture than is usual in this country.

	Oz.	¼lb.	Lb.
Mammoth White	2110	\$0 35	\$1 00
Purple Cape, Early	2120	35	1 00
Veitch's Self-protecting	2130	35	1 00

All 10 cents per packet

BRUSSELS SPROUTS

CHOU DE BRUXELLES *Berza de Brusels* *Rosentohl*

CULTURE.—Sow in May, in the same manner as cauliflower, and transplant in July 1 foot apart in the rows which should be 1½ feet apart. The Brussels Sprout is, without exception, the very best winter vegetable that can be grown. Not the least valuable point connected with it is that it is as hardy as the common, curled greens. The real Sprout is not much larger than a marble, and as firm and hard almost as the stalk itself. Strip off the outer covering, cook them whole, and serve them in that fashion. When cooked through and no more, such Sprouts melt in the mouth like the tenderest cauliflower, and are equally good.

	Oz.	¼lb.	Lb.
HERCULES. Early; dwarf habit, robust growth, with large, solid Sprouts that are borne thickly and are of fine quality.....pkt. 10 cts..	2160	\$0 40	\$1 15
Dalkeith. Of dwarf growth, producing large, solid Sprouts.....pkt. 10 cts..	2190	25	60

BURNET

PIMPERNELLE *Pimpinella* *Pimpernelle*

The leaves have a warm, piquant taste, and are useful for salads and soups. Sow early in the spring, half an inch deep, thinly in rows.

	Pkt.	Oz.	¼lb.	Lb.
Garden	2230	\$0 05	\$0 10	\$0 25

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

CAULIFLOWER

CHOU-FLEUR

Coliflor

Blumentofel

CULTURE.—The same as for cabbage, except that extra manure and plenty of water will pay upon Cauliflower. If the soil be dry, water frequently, and, if the plants have a heavy mulch of hay or straw, it will keep the soil moist, and they will not suffer from drought. The early kinds should be strong enough to plant out not later than the middle of April; the late kinds may be planted out the same time as cabbage.

Thorburn's Extra-Early Dwarf Erfurt. The best and earliest for forcing; very Oz. ¼lb. Lb.

dwarf and compact, with short stem and small leaves. The curd is very tender and exceedingly fine-flavored. Should not be confounded with entirely different sorts advertised..pkt. 50c.. **2250** \$5 00

Large Early Erfurt. (Thorburn Selection.) Justly popular with market-gardeners for late crop..... pkt. 25c.. **2260** 2 25 \$8 00 \$30 00

THORBURN'S GILT-EDGE. Large, heavy sort, maturing immediately after our *Large Snowball*. Best of all. See *Novelties*.....

pkt. 25c.. **2270** 2 00 7 50 28 00

Thorburn's Extra-Early Snowball. Our strain of this popular variety is unequalled. It is one of the best for forcing under glass or for open ground.....

pkt. 25c.. **2280** 2 00 7 50 28 00

Thorburn's Large Early Snowball. A large strain of the above...pkt. 25c.. **2290** 2 00 7 50 28 00

Denmark. On the style of Large Erfurt; very fine.....pkt. 20c.. **2300** 1 50 5 50 20 00

Dwarf of Naples. Very white.....pkt. 10c.. **2304** 40 1 25 4 00

Earliest Giant of Naples......pkt. 10c.. **2306** 40 1 25 4 00

Early Dwarf Algiers......pkt. 5c.. **2308** 30 85 3 00

Extra-Early Paris. Heads of medium size; first-class.....pkt. 10c.. **2310** 50 1 75 6 00

Lenormand Short-Stem. Has very large heads; white and firm...pkt. 10c.. **2320** 50 1 75 6 00

Large Algiers. Market-gardeners' popular late sort for the South...pkt. 10c.. **2330** 50 1 75 6 00

Thorburn's Nonpareil. A first-class standard sort.....pkt. 10c.. **2340** 50 1 75 6 00

Early London. Large and hardy.....pkt. 5c.. **2350** 30 85 3 00

Autumn Giant. Vigorous in growth; very large; late.....pkt. 5c.. **2360** 30 85 3 00

CABBAGE

CHOU

Berza de repollo

Rohl

CULTURE.—Soil for Cabbage should be rich and heavy loam, with good drainage. On such a soil, with an abundance of stable or Thorburn's Complete Manure, excellent crops are sure to be grown. For early spring, sow in fall not too early, for the plants are liable to bolt in the spring, instead of heading. In a month the plants will be fit to transplant to coldframes, where they are wintered, taking care in planting to set the young plants down to the first leaves. Transplant in spring as soon as the ground can be worked, setting the plants 2 feet apart one way and from 12 to 18 inches the other, according to the variety. If it is desirable to economize space, lettuce or radish may be sown between the rows, as they will be out of the way before the Cabbage needs the room. For late or winter crop, the seed is sown in May, and the plants set out in July. In this case, they are set in rows 2 by 3 feet, so as to work them with a horse and cultivator. To destroy the green worm, an experienced grower says: "Take one ounce of saltpeter and dissolve it in twelve quarts of water; then take a short-handled whisk-broom, dip it in the solution and sprinkle the plants well. One application is sufficient unless the stuff is washed off by heavy rains. The liquid, being perfectly clear, never colors the cauliflower or Cabbage heads." To prevent the turnip flea attacking the young plants, sift fine air-slaked lime or tobacco dust over them as soon as they appear above ground.

COPENHAGEN MARKET. The finest, large, round-headed, early Cabbage; very solid and of fine quality; short-stemmed. (See *Novelties*)..... **2390** Oz. ¼lb. Lb. \$0 35 \$1 00 \$3 50

All-Head. Very early and very solid; large..... **2394** 30 85 2 75

Early Spring. Flat, extra-early; medium size..... **2410** 25 60 2 00

Early York. The standard English sort. Splendid.....pkt. 5c.. **2420** 15 35 1 25

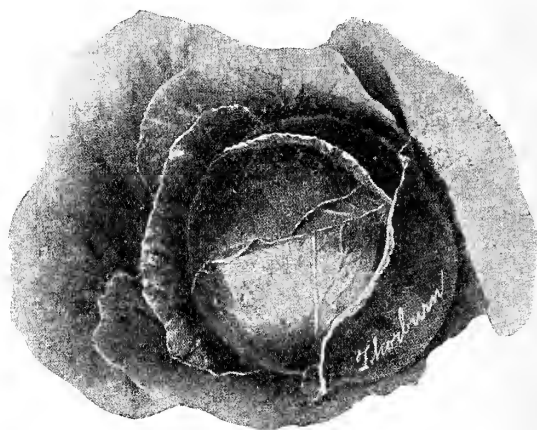
Large Early York. Larger than the above. Splendid.....pkt. 5c.. **2430** 15 35 1 25

All 10 cents per packet except where quoted otherwise

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound



COPENHAGEN MARKET CABBAGE (see page 19)



RED MAMMOTH PICKLER CABBAGE

CABBAGE, continued

	Oz.	¼lb.	Lb.
EARLY JERSEY WAKEFIELD, THORBURN'S. The most popular early variety; heads very solid, pyramidal shape. <i>See Novelties</i>	2460	\$0 25	\$0 75
Charleston Wakefield. Large strain of the above.....	2464	25	75
ENKHUIZEN GLORY. Large, early, white, solid, ball-shaped heads.....	2470	25	60
Early Winnigstadt. A standard second-early variety; very hard heads. A valuable market Cabbage.....	2484	20	40
Early Summer. Second-early; produces large, solid heads of finest quality and of fine flavor.....	2490	25	60
Fottler's Brunswick. Of dwarf, compact growth; hard and solid heads. Good for both intermediate and winter use.....	2500	25	60
Succession Improved. Excellent second-early sort; large, solid heads; very popular second crop.....	2520	25	75
Large Late Flat Dutch. A valuable sort for market. One of the best-known winter Cabbages.....	2540	25	60
Thorburn Market-Gardeners' Private Stock Flat Dutch. Fine strain of the immense winter Cabbage grown on Long Island for market. Of the finest quality and flavor.....	2560	30	85
DANISH BALLHEAD WINTER, Short Stem. Very round, solid winter sort, largely grown in Denmark for the London market. A fine shipper.....	2580	25	60
DANISH BALLHEAD WINTER, Long Stem. Same as the preceding, but grows more clear of the ground.....	2584	25	60
Green Glazed. Glossy green; suitable for hot climates.....	2590	25	60
Red Berlin. Very fine; dark red; medium size.....	2600	25	75
Red Mammoth Pickler	2615	25	75
Red Zenith. Very fine, dark red; solid head; the leaves are crisp and tender; medium early; finest of all.....	2620	25	75
Savoy, Early Vienna. Very small; of delicate flavor.....	2630	25	60
Savoy, Early Ulm. Medium size, round, deep green head; very early.....	2640	25	60
Savoy, Late Green Globe. Compact, medium-size heads; leaves finely curled..	2645	30	85

All 10 cents per packet except where quoted otherwise

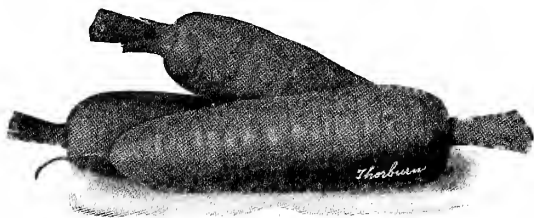
CARDOON

CARDOON Cardo Carbon

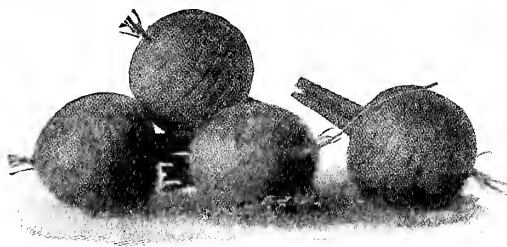
CULTURE.—Sow early in spring, in rows where the plants are to stand, and thin them to 2 feet apart. When full size, bind them together with bast or raffia, and earth up like celery to blanch. The stems of the leaves are used for salads, soups and stews. The stems should be wintered in a cellar away from frost.

Large Solid. Smooth; grows about 4 feet high; leaves nearly free from spines..... Oz. ¼lb. Lb.
pkt. 10c...2770 \$0 25 \$0 60 \$2 00

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound



HALF-LONG, STUMP-ROOTED NANTES CARROTS



PARISIAN FORCING CARROTS

CARROT

CAROTTE

Zanahoria

Möhren

CULTURE.—Sow No. 2890 as early as the ground can be worked; or, for late crop, until the latter part of July, or early in August for a winter crop. This is the finest and most tender for table use. For main crop sow other sorts from middle of May to the first of July. Thin out early crop to 5 inches in the row, main crop, 6 to 7 inches, the rows 10 inches apart for early crop, 14 for main crop. Hoe often and deeply between the rows. Soil should be light and loamy, richly manured and deeply dug. Sow at the rate of two to three pounds to the acre; one ounce to 100 feet of drill. Carrot-tops cut from fairly young plants may be used for pretty indoor greenery. Put one cutting into each thumb-pot, or three or four into a larger pot around the sides. Fairly good and sandy soil should be used, syringing frequently until growth is well forward. About 1 inch of Carrot should be left to put in soil, but this should be surrounded with soil or moss to hide it. When fully grown it is very pretty, the long fronds hanging over gracefully.

	Oz.	¼lb.	Lb.
Parisian Forcing, Early. Tender and sweet; fine for early and late crops and for frames.....pkt. 10c...2890	\$0 20	\$0 40	\$1 50
Oxheart Half-Short (Guerande). Very thick and short.....2920	10	30	1 00
Scarlet Horn, Early. Very thick roots; fine for frames.....2930	10	30	1 00
Half-Long Pointed. A well-known strain; productive.....2950	10	30	1 00
Half-Long, Stump-rooted. An excellent sort of good quality.....2960	10	30	1 00
Half-Long, Stump-rooted, Nantes Strain. One of the most popular sorts.....2970	10	30	1 00
Half-Long, Stump-rooted, Nantes Strain, Improved. Larger and finer than the preceding; very tender and of excellent flavor2972	10	30	1 00
Chantenay, Half-Long, Stump-rooted. Style of Nantes, broader shoulder.....2990	10	30	1 00
Danvers Half-Long. Large; of good quality; productive.....3020	10	30	1 00
St. Valery. A thick, intermediate long red.....3030	10	20	75
Long Orange. Best for stock-feeding.....3040	10	20	75
Long White Belgian. Very large; one of the best varieties for stock.....3070	10	20	65

All 5 cents per packet except where quoted otherwise

CELERY

CELERI

Apios

Celerie

CULTURE.—Sow the seed in a light, rich, dry border as early as the ground can be worked, in drills 8 to 10 inches apart, and cover the seeds about a quarter of an inch deep, rolling or treading them in if the ground be dry. When fairly out of the seed-leaf, they may be transplanted to another bed, or they may be thinned out to 6 to 8 inches apart, and let grow until wanted to plant out in beds or trenches. The beds should be kept well weeded, and an occasional soaking with water in dry weather will do the plants good. Early in July in the North, a month or six weeks later in the southern states, is the proper time to set the plants out in beds or trenches. Press the soil firmly against the roots. In the garden the better way is to set the plants in shallow trenches. We say shallow for it is obviously a bad plan to remove all the good soil (as must be done in a deep trench) and put the plants in that which is poor. The plants must be set in a single row in a narrow trench; or the trench may be made into a bed wide enough to hold two, three or four rows, and in this case the plants are in a compact form to be covered for the winter where they grow. This will save much labor where there is no root-cellar for storage, as often happens to be the case. When grown in beds in this way, the rows should be 1 foot apart, and the plants about 8 inches apart in the rows. The bed should be made very rich with thoroughly decomposed manure. The plants will need to be earthed up two or three times, and, in doing this, care should be taken not to let the earth get into the heart of the plant. In field culture, the plants are set on the surface in rows 4 feet apart when the Celery is to be earthed up in the field for early use, and 2 feet apart when the plants are to be taken up and blanched in the cellar for winter use. The plants are set 6 inches apart in rows. If not grown in beds, the best way to store is to dig trenches in a well-drained spot in the open ground, 1 foot wide, and at a depth of a few inches less than the height of the Celery. The plants are then lifted and set close together. When severe cold weather comes on, cover gradually with leaves hay or straw, and place boards on top. The turnip-rooted Celery (Celeriac) needs no earthing up, and may be planted in rows 1 foot apart. Early spraying with bordeaux mixture is extremely efficacious in case of Celery blight or rust.

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound



GOLDEN SELF-BLANCHING CELERY,
THORBURN'S GILT-EDGE

CELERY, continued

	Oz.	¼lb.	Lb.
Thorburn's Fin de Siecle. We consider this the largest, hardest, solidest, crispest, best-keeping and best-shipping winter Celery we know of. 3200	\$0 30	\$0 85	\$3 00
Improved White Plume. Naturally white or light foliage; requires but little banking up to blanch; very early and extensively grown for market.....3210	30	85	3 00
GOLDEN SELF-BLANCHING, THORBURN'S GILT-EDGE. Our finest strain...pkt. 20c...3230	1 25	4 00	15 00
Perfection Heartwell. One of the finest and largest of winter varieties, either for family or market-garden. The heart is golden yellow.....3260	20	60	2 00
Thorburn's Schumacher. Solid and crisp; firm, golden yellow heart.....3270	20	60	2 00
Giant Pascal. An easily blanched and fine-keeping, large, late sort.....3300	20	60	2 00
Kalamazoo. A fine, half-dwarf, solid white variety.....3310	20	60	2 00
Giant Golden Heart. Very large, solid and fine-flavored; vigorous grower.....3344	20	60	2 00
New Rose. Fine flavor; handsome variety.....3350	20	60	2 00
Pink Plume. Similar to White Plume, except that the stalks are tinged with pink; attractive; rich flavor and long keeper.....3360	25	75	2 50
Red Solid. Stalks tender and brittle.....3380	20	60	2 00
Winter Queen. Very large, solid, green, winter sort; blanches well.....3384	20	60	2 00
Celeriac, Giant Prague. Very large roots, for soups and stews; when cooked and sliced makes fine winter salad.....3400	25	75	2 50
Celeriac, Apple. Has small foliage and small, smooth roots; for soups.....3420	30	85	3 00
Celeriac, Erfurt. For soups and stews.....3425	25	75	2 50

Celeriac may be stored like beets, and will keep all winter
All 10 cents per packet except where quoted otherwise

CORN, SWEET or SUGAR

CULTURE.—Plant in hills 3 feet apart each way, and five or six kernels in a hill. Hoe often and draw soil up to the stem; break off side-shoots. Make the ground rich with well-rotted manure. If sown thinly in drills, a greater yield from a given surface will be obtained.

We supply packets of Corn at 10 cts. each, postpaid; for other quantities, **NOT PREPAID**, add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart

Most varieties can be furnished on ears at 5 cts. each, transportation extra

EXTRA-EARLY

	Pt.	Qt.	½pk.	Pk.	Bus.
THORBURN'S NORDHEIM EXTRA-EARLY. Earliest and finest of all. The stalks grow 6 to 7 feet high, each bearing three or four nearly perfect ears of excellent quality. The grains are large, white and very sweet.....3700	\$0 25	\$0 40	\$1 25	\$1 75	\$5 50
Early Red-Cob Cory. A very early variety with good-sized ears. Very sweet, tender and of fine flavor.....3710	15	25	75	1 30	4 50
White Cory. Resembles the ordinary Cory, but with white cob....3720	15	25	75	1 30	4 50
Mammoth White Cory. Ears double the size of the old Cory, and better in flavor.....3740	15	25	75	1 30	4 50
Metropolitan. Large, handsome ears of fine quality; very early. A splendid market variety.....3750	20	30	85	1 50	5 00
Golden Bantam. Extra early; yellow; very sweet and tender.3760	20	30	90	1 60	5 50

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.

EXTRA-EARLY SWEET CORN, continued

	Pt.	Qt.	½pk.	Pk.	Bus.	
Seymour's Sweet Orange. A vigorous grower, attaining a height of 6 to 7 feet, and producing generally two good-sized ears to a stalk. It matures about a week later than Golden Bantam and is fully equal to it in the deliciousness of its flavor.....	3764	\$0 20	\$0 30	\$0 90	\$1 60	\$5 50
Early Fordhook. Large-eared; extra early; pure white.....	3769	20	30	90	1 60	5 50
Peep-o'-Day. One of the earliest; very sweet and of delicate flavor.....	3780	15	25	75	1 30	4 50
Minnesota. Nearly as early as Cory, but with larger ears....	3790	15	25	75	1 30	4 50
Perry Hybrid. Early and large; valuable for market	3800	15	25	75	1 30	4 50
Kendel's Giant. Very early for so large-eared a variety; sweet and tender.....	3840	15	25	75	1 30	4 50
Extra-Early Adams. Not a Sugar Corn but grown for early use. Tender and sweet; fine for the table.....	3860	15	25	65	1 00	3 50

SECOND-EARLY or INTERMEDIATE

	Pt.	Qt.	½pk.	Pk.	Bus.	
Thorburn's Early White Perfection. A valuable second-early sort, producing good-sized ears. The cob is small and the grain is almost white. It is a heavy yielder, very sweet and an almost perfect type without flint or glaze.....	3900	\$0 20	\$0 30	\$0 85	\$1 50	\$5 00
Early Champion. Very large ears, considering its earliness....	3910	15	25	75	1 30	4 50
Early Mammoth. Large ears; fine quality; not very late....	3930	15	25	75	1 30	4 50
Crosby. Matures after Minnesota; fair-sized ears of good quality.	3940	15	25	75	1 30	4 50
Long Island Beauty. Very early; large size; valuable market sort.	3945	15	25	75	1 30	4 50
Potter Excelsior. Good-sized ears of fine quality.....	3950	15	25	75	1 30	4 50
Moore Concord. Of strong growth; ears large and well filled.	3960	15	25	75	1 30	4 50
Early Evergreen. A week earlier than Stowell Evergreen....	3970	15	25	75	1 30	4 50
Early Adams. Not a Sugar Corn, but grown extensively for market.	3980	15	25	75	1 25	4 00

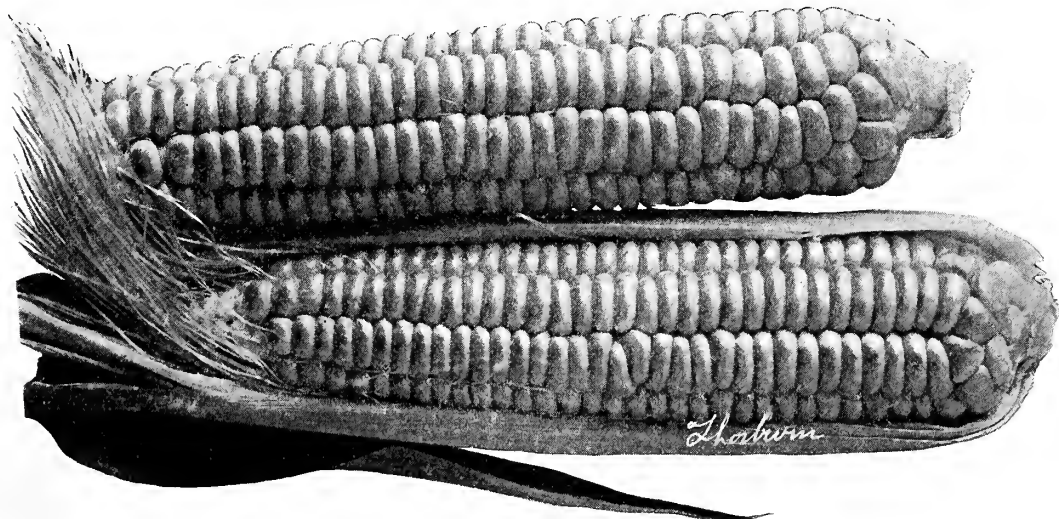
GENERAL CROP

Hickox Improved. Handsome ears; very white and of rich flavor.	4020	15	25	75	1 25	4 00
Stowell Evergreen. One of the most popular varieties.....	4040	15	25	75	1 25	4 00
Golden Evergreen. Late; very sweet, round grains.....	4050	20	30	90	1 60	5 50
White Evergreen. Strain of Evergreen with pure white grains..	4060	15	25	75	1 30	4 50

LATE SWEET CORN

Black Mexican. Very sweet, of superior flavor; grains black..	4100	15	25	75	1 30	4 50
Late Mammoth. Rank in growth; large ears, rich and sweet.	4120	15	25	75	1 30	4 50
Country Gentleman. A large selection of the Ne Plus Ultra, introduced by us in 1888.....	4140	15	25	75	1 30	4 50
Sweet Fodder Corn.	4180			50	85	2 75

FOR FIELD CORN AND POP CORN, SEE PAGE 58



GOLDEN BANTAM SWEET CORN (see page 22)

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

CHERVIL

CERFEUIL

Perifollo

Bensenlauch

CULTURE.—Cultivate and use the curled variety of Chervil like parsley. Sow at any time in the spring in shallow drills, 1 foot apart, in well-prepared ground.

Curled. Leaves used for flavoring soups and stews and for garnishing. pkt. 5c.4240 Oz. ¼lb. Lb.
Plain. Like above, but not curledpkt. 5 cts.4250 10 35 \$1 25

CHICORY

Common, or Wild. Used in *Barbe de Capucin*, a salad much made in France. Sown in June, the roots are transplanted in autumn into sand in a cellar. The young shoots form the *Barbe de Capucin*.4300 Oz. ¼lb. Lb.
 \$0 15 \$0 35 \$1 00

Witloof. Known in restaurants as French Endive. Sown in May and June in drills. Transplant or thin to 6 inches; treat as endive, except that late in summer or fall it should be gradually banked up like celery. The stalks, when blanched, make a delicious salad. It is also used by the French as a boiled vegetable.4310 20 40 1 50

Magdeburg. Roots are the Chicory of commerce.4320 10 30 90

All 5 cents per packet

SEE ALSO, ENDIVE, THE CHICORY OF THE FRENCH, PAGE 26

COLLARDS

CULTURE.—Sow seed as for cabbage, in June, July and August for succession. Transplant when a month old in rows a foot apart each way and hoe often.

Georgia.4380 Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. 80 cts.

CORN SALAD, or FETTICUS

MACHE

Macha o Valerianilla

Stecksalat

CULTURE.—Sow during August or early in September, in drills one-fourth of an inch deep and 6 inches apart. If the weather is dry when the seed is sown, tread it lightly to insure germination. Keep weeds down with hoe. Just before the winter cover thinly with straw or leaves.

Large-seeded4430 Oz. ¼lb. Lb.
Small-seeded4440 10 25 \$0 65
Green Cabbaging4450 10 25 80

All 5 cents per packet

CRESS

CRESSON

Bara o Mastuerzo

Kresse

CULTURE.—Sow No. 4520 thickly in shallow drills, every two or three weeks. It should be cut often and it will continue to grow. It is useful not only for salad, but for the breakfast table and for garnishing. Nos. 4550 and 4570 should be sown in damp soil; or, if a stream of water can be utilized, they will be much finer. They will also thrive well in damp hotbeds. Rightly managed, their culture is very profitable. To obtain early salad, it is a good plan to sow with Water Cress seed a strip 4 inches wide on the outer margin of a hotbed, inside the frame, where it is always cool.

Curled, or Pepper Grass.4520 Oz. ¼lb. Lb.
Common, or Plain-leaved.4530 10 20 \$0 50
Broad-leaved Winter, or Upland. Gray seed.4540 10 25 75

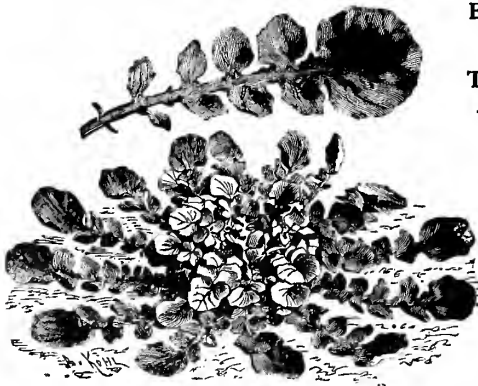
Erfurt True Sweet Water

Cress. Very mild and ten-

derpkt. 15c.4550 50 1 50

True Water Cress. pkt. 10c.4570 35 1 00

All 5 cents per packet except where quoted otherwise

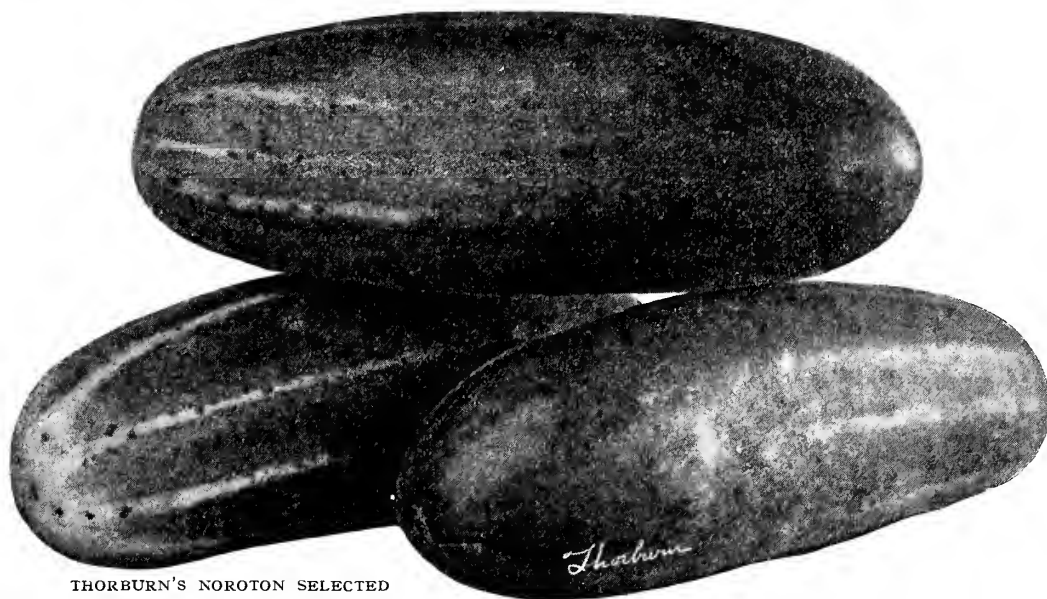


BROAD-LEAVED WINTER CRESS



TRUE WATER CRESS

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound



THORBURN'S NOROTON SELECTED
WHITE SPINE CUCUMBERS

CUCUMBER

CONCOMBRE *Pepino* Gurle

CULTURE.—For very early, sow in hotbeds upon pieces of sod, or in small pots. They can be readily transplanted with a gain of about six weeks over those sown in the open ground. Plant out in rich soil when danger of frost is over, or protect by hand-glasses, or by paper held down at the corners with a handful of earth. For general crop, sow in the open ground as soon as the weather is settled and warm, and every two weeks for a succession. For pickles, sow from middle of June to first week in July. Sod land, turned over in fall, is the best for them. Plant in hills 4 feet apart, putting a shovelful of well-rotted manure in each hill.

	Oz.	¼lb.	Lb.
Black Spine. Extra long; prolific. <i>See Novelties</i>pkt. 10c...4700	\$0 20	\$0 40	\$1 50
Cumberland. One of the best pickling sorts yet introduced, being very handsome and productive, with flesh firm, but very crisp and tender.....4750	10	25	85
Davis Perfect. Fine for forcing or for outdoors. The fruit is long and straight, and being a comparatively shy seeder, is very valuable for slicing.....4770	10	30	1 00
Early Green Cluster. Fruit small and in clusters; very prolific.....4780	10	25	85
Early Russian. Very early, short; fine for pickles.....4790	10	25	85
Giant Pera. Very long; one of the best for table use.....4800	15	35	1 25
Fordhook Pickling. Very prolific; medium size; fine pickling strain.....4810	10	30	1 00
Thorburn Everbearing. Small-sized; very early and enormously productive; valuable as a green pickler.....4820	10	30	1 00
Cool and Crisp. Extra early and very prolific; long, straight, slender and very dark green; good either for pickling or slicing.....4830	10	25	85
Fordhook Famous. Long, straight and well formed; vigorous grower, very productive; does not turn yellow.....4850	10	30	1 00
New Orleans Market. For forcing or open ground; very productive.....4860	10	30	1 00
White Spine Extra-Early. An extra-early strain of the popular White Spine.4864	15	35	1 25
“ “ Improved. A very handsome and uniform early variety.....4870	10	30	1 00
“ “ Arlington. Fine either for forcing or for outdoors.....4880	10	30	1 00
“ “ THORBURN'S NOROTON SELECTED. A selection of Improved White Spine. Earlier, more perfect in shape and more prolific; best slicing variety; splendid either for home garden or market. <i>See Novelties</i>pkt. 10c...4890	20	40	1 50
“ “ Extra-Long. A beautiful, large and well-shaped Cucumber.....4900	15	35	1 25
Long Green, Improved. Long and crisp; a popular variety for pickles.....4920	10	30	1 00
“ “ Turkey. Fruit very long and rather slim.....4930	10	30	1 00
Green Prolific Pickling. One of the best for pickling; dark green.....4940	10	30	1 00
Tailby Hybrid. Very long, and superior for table use.....4960	10	30	1 00
Japan Climbing. Good for frames or open ground.....4970	15	35	1 25
Small Gherkin. Very small bur; used for picklespkt. 10c...4980	20	40	1 50
Lemon Cucumber, or Garden Lemon. Almost round; yellow and green markings; tender and of sweet flavor. Like a lemon in appearance...pkt. 10c...4990	20	40	1 50

All 5 cents per packet, except where quoted otherwise

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

ENGLISH CUCUMBER FOR FRAMES (Concombre especes Anglaises pour couches)

CULTURE.—Sow seeds in October, November or December, according to the time they are wanted, in small pots, in fibrous loam, lightened and enriched with old manure; give plenty of air and water. Plunge the pots in a frame near the glass, where there is a little bottom heat, and keep them covered with brown paper until the seeds germinate. Afterward uncover and ventilate to insure sturdiness of habit. Only strong plants should be employed. It is necessary to fertilize the pistillate flowers with the staminate to render the vines productive as, owing to the absence of insects, they will not produce a crop under glass as in open ground.

Hurst's Monarch. Splendid sort	5096	Pkt. \$0 25	Rochford's Market. Fine variety.	5120	Pkt. \$0 25
Lockie's Perfection. Fine color	5100	25	Telegraph. Free-bearing; handsome.	5130	25
Marvel. (Hurst's.) Heavy cropper.	5110	25	Veitch's Sensation. Fine dark variety.	5160	25

DANDELION

PISSENLIT *Amargon* *Pardeblume*

CULTURE.—Dandelion is a hardy perennial, and one of the most desirable early spring salads. Sow in early spring in drills one-half an inch deep and 18 inches apart; thin out the plants to 12 inches. Keep clear of weeds during the summer, and the ensuing spring the leaves will be fit to cut. They are best, however, when blanched, which makes them tender and destroys, to some extent, their bitter taste without impairing the qualities which make them desirable as greens. The blanching may be done by placing a couple of boards over the rows thus: A. This excludes the light and improves the greens, rendering them far superior to those found growing wild.

French Garden.	pkt. 5c.	5170	Oz. \$0 15	¼lb. \$0 40	Lb. \$1 50
Improved Thick-leaved Fullheart.	pkt. 10c.	5175	40	1 25	
Montmagny. The popular Paris quick-blanching sort.	pkt. 10c.	5180	40	1 25	

ENDIVE, or CHICORY

CHICOREE *Escarola o Endivia* *Endivie*

CULTURE.—Sow in June, July and August; cover lightly; when up, thin out to 8 inches apart and water well, if dry. When the leaves are 6 to 8 inches long, blanch by tying together near the top with yarn or raffia. (They must be quite dry, or they will rot.) At the approach of winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar. They must be kept dry and have plenty of air.

Green Curled Winter. Standard sort for fall and winter crop.	pkt. 5c.	5210	Oz. \$0 15	¼lb. \$0 35	Lb. \$1 25
Large Green Curled (de Ruffec). Broad ribs; fine for fall and winter.	pkt. 5c.	5220	20	50	1 50
Broad-leaved (Escarolle). A sweet variety; fall and winter.	pkt. 5c.	5230	15	35	1 25
White Curled. For early use.	pkt. 10c.	5240	25	60	2 00

SEE, ALSO, WITLOOF (FRENCH ENDIVE) UNDER CHICORY, PAGE 24

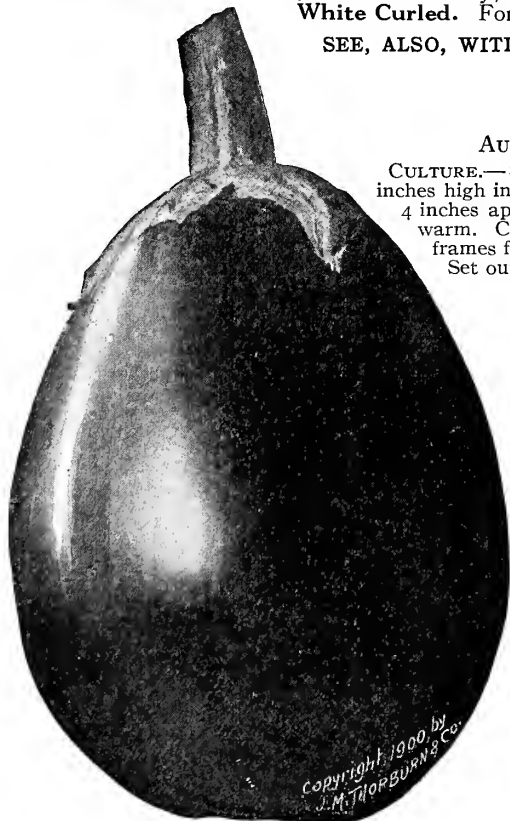
EGGPLANT

AUBERGINE *Berengena* *Gierpflanze*

CULTURE.—Sow in hotbeds very early in spring and transplant when 2 inches high into a second bed or into small pots. If this is not done, thin to 4 inches apart. Do not plant out until weather is perfectly settled and warm. Cool nights or wet weather will check them. Keep some back in frames for a second planting, in case of weather changing unexpectedly. Set out plants 3 feet by 2.

Improved New York Spineless. The standard; largest and best; oval; deep purple; early and productive.	5310	Oz. \$0 40	¼lb. \$1 25	Lb. \$4 00
BLACK BEAUTY. As large as the New York Improved but about ten days earlier; very rich purplish black	5320	40	1 30	4 50
Early Dwarf Purple. Dwarf; very early; small, ovoid fruit.	5330	30	85	3 00
Florida High Bush. Purple, though not so deep as the New York Spineless, which it resembles in shape. Productive, vigorous and can stand more cold than that variety.	5340	30	85	3 00
Long Purple. Of distinct shape and fine quality	5350	30	85	3 00
Round Purple. Of good quality, fine color and shape. Good variety for market.	5360	30	85	3 00
Black Pekin. Round, blackish purple fruit; flesh tender, of fine flavor; dark foliage	5370	35	1 00	3 50

All 10 cts. per packet



FLORIDA HIGH BUSH EGGPLANT

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

FENNEL, FLORENCE or NAPLESFENOUIL DE FLORENCE *Finocchio di Napoli*

CULTURE.—Sow in spring, in rows 16 to 20 inches apart. Thin out so as to have the seedlings 5 or 6 inches apart and water as plentifully as possible. The plant is usually eaten boiled. In flavor it resembles celery, but has a sweet taste and a more delicate odor. **14180** Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

SEE ALSO, HERBS

KALE, or BORECOLECHOU VERT FRISE *Col* *Krausfohl*

CULTURE.—Nos. 5600 and 5610 are cultivated and grown exactly like cabbage. Sow No. 5600 in August and September for early greens. Sow 5700 early in the spring in a hotbed and when 1 or 2 inches high transplant into a bed or border that has been highly manured and deeply dug. Sea Kale is not fit to eat until it has been blanched, either under large pots or by banking up with sand.

	Oz.	$\frac{1}{4}$ lb.	Lb.
Curled Dwarf Green Scotch. Very dwarf and spreading; best strain; largely grown in the South, being sown in August and September.....	5600	\$0 10	\$0 20
Curled Tall Green Scotch. A taller growth of No. 5600	5610	10	30
Curled Siberian Thorburn Improved. Green, curled; hardy.....	5630	10	20
Emerald Isle. Very fine.....	5635	15	50
Thousand-headed. For cattle....	5640	10	20
Jersey Winter Kale, or Cow Cabbage. For feeding cattle; very hardy ...	5650	10	20
Sea Kale. Resembles celery. pkt. 10c. ...	5700	20	60

All 5 cents per packet, except where quoted otherwise



EARLY WHITE VIENNA KOHLRABI

KOHLRABICHOU-RAVE *Colinabo* *Kohlrabi*

CULTURE.—Sow in spring, in rows 18 inches apart, afterward thinning the plants to 8 to 10 inches. If the weather is suitable the thinnings may be planted, but it is considered difficult to transplant. Keep the weeds down, and when the thickened stems above ground are 2 or 3 inches through they are fit to eat, and should be used at once, being tough when old. Cook same as turnips.

	Oz.	$\frac{1}{4}$ lb.	Lb.
Early White Vienna. Handsome; very delicate in flavor; white ball.....	5800	\$0 15	\$0 40
Early White Vienna. Fine every way. For frames. pkt. 10c.	5810	20	75
Early Purple Vienna. Purple ball; a very good sort.	5820	15	40
Early Purple Vienna. For frames. pkt. 10c.	5830	20	75
Large White, or Green. Forms a large ball; not so fine in flavor but more productive.....	5840	15	35

All 5 cents per packet except where quoted otherwise



THORBURN'S BEST LARGE FLAG LEEK

LEEKPOIREAU *Puerro* *Porre, oder Lauch*

CULTURE.—Sow very early in spring in drills 6 inches apart and 1 inch deep. One ounce to 100 feet of drill. Thin out to 1 inch. When about 7 inches high, transplant in rows 12 inches apart, as deep as possible, but do not cover the young center leaves. Water thoroughly if dry when planted out. Draw earth up to them as they grow; rich soil is required. Take up and store in earth in a cool cellar before winter weather. The seeds may also be sown in September, and the young plants transplanted in spring to where they are to remain.

	Oz.	$\frac{1}{4}$ lb.	Lb.
THORBURN'S BEST LARGE FLAG. Hardy and productive.....	5910	\$0 15	\$0 35
Large Carentan. Distinct and dark-colored leaves; stout in habit and hardy	5940	15	35
Musselburgh. Similar to above	5950	15	35
Prizetaker. Very large.....	5960	15	35

All 5 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

LETTUCE

LAI TUE

Lechuga

Salat

CULTURE.—Sow 6030 and 6230 in hotbeds in March, and in the open ground as soon as it can be worked, and transplant to rows 8 inches apart. Sow in two weeks' time same varieties again for a succession; also Cos sorts. Latter part of August sow any of the varieties. In October some of these may be planted in frames, to head in winter and early spring. Always sow thinly and thin out well, or the plants will not be strong. The last spring sowing had better be grown where sown, being thinned out to 6 to 8 inches apart. Cos Lettuce may be sown in a hotbed early in the year, and transplanted to a coldframe, so as to have good plants to set out at the opening of the ground. Lettuce requires good ground, enriched with thoroughly rotted manure, and well pulverized. The after culture should be close and careful, to secure the best results. Lettuce seldom, if ever, heads well in hot weather.

w. s. stands for white-seeded; b. s. stands for black-seeded



THORBURN'S BIG BOSTON LETTUCE, IMPROVED

	Oz.	¼lb.	Lb.
American Gathering. Twisted and curled leaves; fine early or late. <i>w. s.</i>	6020	\$0 10	\$0 25 \$0 80
THORBURN'S BIG BOSTON IMPROVED. Fine for forcing in coldframes or for open ground. <i>See Novelties w. s.</i>	6030	15	35 1 25
Buttercup. Yellow, solid, small heads; for forcing or outdoors. <i>w. s.</i>	6040	15	40 1 50
California Cream Butter. Very large, solid heads; inside very white. <i>b. s.</i>	6050	15	35 1 25
Denver Market. Very curly heads; good for forcing or outdoors. <i>w. s.</i>	6080	15	30 1 00
Giant Crystal Head. A splendid cabbage Lettuce; large, solid; outside leaves bright green, inside crystal-white; yellow heart; crisp, tender. <i>w. s.</i>	6100	15	35 1 25
Grand Rapids Forcing. Large; tender; one of the best for forcing. <i>b. s.</i>	6120	15	35 1 25
Hanson Improved. Very large and solid; tender and of fine quality; withstands the hot sun well. <i>w. s.</i>	6140	15	35 1 25
Hubbard Market. A large cabbage variety, with crisp, tender leaves; for forcing or open ground. <i>w. s.</i>	6160	15	40 1 50
Mammoth Black-seeded Butter, Thorburn. A selected strain; large, solid, yellow heads. Favorite variety of New York market-gardeners.....	6200	15	35 1 25
Market-Gardeners' Private Stock, Thorburn. A selected strain; solid, large heads, resisting the sun for a long time before shooting. <i>b. s.</i>	6210	15	40 1 50
Maximum, Thorburn. The largest and best; solid; crisp; leaves tender and particularly fine in flavor. <i>b. s.</i>	6220	15	40 1 50
MAY KING. Large, round, solid heads. <i>w. s.</i>	6230	15	40 1 50
Mignonette. Distinct russet colored; very solid and compact. <i>b. s.</i>	6240	15	40 1 50
New York Cabbage. Large, solid heads; inside very white. <i>w. s.</i>	6250	15	40 1 50
New Orchid. The famous Orchid Salad, used in many of the highest-class restaurants; should be cut as the orchid center develops; that is, when the plants have attained about one-quarter of their full growth. <i>w. s.</i> pkt. roc...	6255	40	1 25 4 00
Oak Leaf. A curled-leaf variety of bright green color. <i>w. s.</i>	6260	15	40 1 50
Passion. A medium-sized cabbage variety, with tender, crisp and fine-flavored leaves; popular in the South. <i>b. s.</i>	6270	15	40 1 50
Rheingold. Large, solid heads; pure golden yellow; tender, delicious and crisp leaves. Fine forcer.....	6290	15	40 1 50
Salamander Improved. Fine, compact heads; tender; quality of the best; resists summer heat. <i>b. s.</i>	6300	15	35 1 25
Shotwell Brownhead. Large, handsome, tender heads, crisp, and of fine flavor; very hardy. <i>b. s.</i>	6310	15	40 1 50
Simpson Early Curled. A leading early sort; very tender. <i>w. s.</i>	6320	15	35 1 25
Simpson Black Seed. A superior variety; large, and of light color, tender and crisp. <i>b. s.</i>	6330	15	40 1 50
Tennisball White Seed (Boston Market). A well-known forcer; large heads; crisp and tender. <i>w. s.</i>	6340	15	35 1 25
Tennisball Black Seed. Forms close, hard heads, leaves very crisp and tender; for forcing. <i>b. s.</i>	6350	15	35 1 25
Trocadero. Hardy; for spring or summer; green, tinged russet; very tender, crisp and fine-flavored. <i>w. s.</i>	6360	15	35 1 25
White Summer Cabbage. Close heads of good size; fine for summer. <i>w. s.</i>	6390	15	35 1 25

All 5 cents per packet except where quoted otherwise

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.

ROMAINE, or COS LETTUCE

Bath Cos, Black-seeded. Pale green leaves, slightly tinged with brown. Early and productive and of fine flavor. *b. s.*.....

White Paris Cos. Of upright growth; fine. *w. s.*

Trianon Cos. Resists

heat well. *w. s.*.....

Balloon Cos. Fine sort.

b. s......

GOLDEN YELLOW

COS. Long-standing;

solid; golden yellow...

RED COS. Splendid

French sort. Outer

leaves red-brown; very

attractive.....

6450

6460

6480

6490

6500

Oz. 15 3/4lb. 40 Lb. 1 50

15 40 1 50

15 40 1 50

15 40 1 50

15 40 1 50

15 40 1 50

All 5 cents per packet



ROMAINE,
OR COS
LETTUCE

MUSTARD

MOUTARDE

Mostaza

Senf

CULTURE.—Sow thickly during early spring in shallow drills, and press the earth well down. For fall salad, sow in September, or in frames or boxes during winter.

Black. These seeds form the mustard of commerce.....

White London. Leaves used for salads while

young; grows very rapidly.....

Giant Southern Curled. Very large

leaves.....

Elephant's Ear. Immense, light green leaves.....

Fordhook Fancy. Very ornamental; plants of vigorous growth; leaves dark green,

curved outwardly. If used as a vegetable, cook like spinach.....

Ostrich-Plume. Leaves curled and frilled like an ostrich-plume.....

Oz. 05 3/4lb. 10 Lb. 0 25

05 10 25

05 15 35

05 15 35

05 15 35

05 15 35

05 15 35

Oz. 05 3/4lb. 15 Lb. 0 35

05 15 35

05 15 35

05 15 35

MUSKMELON (Cantaloup)

MELON MUSCADE

Melon Muscatel

Cantaloup

CULTURE.—Select a light, rich, sandy soil, and, after all danger of frosts is over and the ground has become warm and dry, plant in hills 4 to 6 feet apart each way, six to twelve seeds to a hill. When up and all danger of insects has passed, pull out all but three plants. Cultivate until the vines cover the ground, and pinch the ends of the growing shoots to induce early fruiting. Ashes, lime, or even dry road-dust, are excellent to sift over young plants when the dew is on, to prevent the attacks of insects. A few hills for early use may be had by sowing in hotbeds, on pieces of sod or in pots. The seed may also be started out-of-doors under hand-frames or glasses. It is quite important that proper soil be selected for growing Muskmelons.

SALMON AND YELLOW-FLESHED VARIETIES

Banquet. Beautifully netted, medium size; rich salmon flesh; fine quality... 6790

Brookway's Sport. Slightly oblong, averaging 6 inches in diameter; flesh light red;

very sweet; lightly ribbed and netted..... 7115

Burrell's Gem. Reddish orange flesh; fine-grained and spicy..... 6800

Defender. One of the very best yellow-fleshed sorts; medium size, oval in shape;

flesh very firm and rich. Very vigorous and productive..... 6804

Emerald Gem. Small; extra early; dark green skin, orange flesh; very sweet..... 6810

Long Yellow Cantaloup. Yellow flesh; late..... 6812

Osage. Cocoanut-shaped; yellow flesh; light green, netted skin..... 6814

Paul Rose. Handsome oval variety; rich orange flesh; very sweet..... 6820

Shumway Giant. Round; light green; flesh deep salmon; very late..... 6824

Surprise. Oblong; rich orange flesh of fine quality; early..... 6830

New Fordhook. Firm, thick, deep salmon flesh; very sweet..... 6834

Nutmeg Tip-Top. An improved strain; very sweet; salmon flesh..... 6840

Thorburn's Orange Christiana. Fine orange sort. Round, very sweet and very

early..... 6850

Yellow-meated Japan. Fine..... 6860

Oz. 15 3/4lb. 30 Lb. 1 00

15 30 1 25

15 30 1 00

15 30 1 00

15 30 1 00

15 30 1 00

15 30 1 00

15 30 1 00

15 30 1 00

15 30 1 00

15 30 1 00

15 30 1 00

15 30 1 00

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15 30 1 00

15 30 1 00

15 30 1 00

All 5 cents per packet

We pay postage or express charges on all garden seed bought by the packet, ounce or quarter-pound

GREEN-FLESHED MUSKMELONS

	Oz.	$\frac{1}{4}$ lb.	Lb.
Baltimore Market. Oblong; green flesh of fine quality; intermediate.....	6870 \$0 15	\$0 30	\$1 00
Bay View Hybrid. Prolific; very large; late; green flesh.....	6880 15	30	1 00
HYBRID CASABA. A vigorous grower and an enormous yielder; produces melons of large size and of unsurpassed flavor; skin is green until the fruits begin to ripen, when it turns to a light yellow; white flesh, rich and luscious and from 2 to 3 inches thick. Splendid for warm climates.....	6904 15	30	1 00
Champion Market. Large, slightly elongated; netted; flesh light green; early.....	6910 15	30	1 00
Eden Gem. The popular shipping melon at Rocky Ford. Flesh deep green, very solid and firm. Skin heavily netted.....	6914 15	30	1 00
GOLD-LINED ROCKY FORD. Delicious, flesh thick, fine-grained and sweet; color green, with a gold margin next the seed-cavity; slightly oval and heavily netted.....	6916 25	75	2 50
Hackensack. Large, round and of good quality; a popular variety; early.....	6920 15	30	1 00
Hackensack Extra-Early. Ripens ten days earlier than the Hackensack.....	6930 15	30	1 00
Henderson's Bush. True bush variety; small but of very fine flavor.....	6935 75		
Jenny Lind. Old favorite. Small; green-fleshed; very early; good quality.....	6940 15	30	1 00
Long Island Beauty. On style of Hackensack. The earliest and finest in quality, and the most beautiful of all Muskmelons.....	6950 15	30	1 00
Montreal, Green. Large, round, netted; flesh thick and light green; late....	6970 15	30	1 00
Netted Gem, Round. Very early; small and of fine flavor; green flesh.....	6980 15	30	1 00
Netted Gem, Oblong. Same as above, save in shape.....	6990 15	30	1 00
Norfolk Button. On style of Jenny Lind; good flavor.....	6994 15	30	1 00
Nutmeg. Sweet, green flesh; very early; named from its shape.....	7000 15	30	1 00
Rocky Ford. Improved Netted Gem; very sweet and fine-flavored; oblong...	7010 15	30	1 00
Winter Pineapple. An extraordinary melon; can be kept in splendid condition for months after being pulled. For the South only.....	7140 15	40	1 50

All 5 cents per packet except where quoted otherwise

MISCELLANEOUS MUSKMELONS

Banana Citron. Cucumber-shaped; highly perfumed; late.....	7110 15	35	1 25
Mango Melon, or Vine Orange. Size, shape and color of an orange; fine for preserving or for pickling.....	7120 15	35	1 25
Pomegranate. Ornamental for perfume; late.....	7130 15	35	1 25

IMPORTED ENGLISH FRAME VARIETIES OF MUSKMELONS

		Pkt.
Eclipse. Green flesh.....	7220	\$0 25
Blenheim Orange. Scarlet flesh.....	7230	25
Monroe's Little Heath. Scarlet flesh.....	7250	25
Gunton Scarlet.	7270	25
Royal Sovereign. White flesh.....	7280	25
Windsor Castle. Green flesh.....	7290	25

IMPORTED FRENCH VARIETIES

These sorts ripen outdoors here, and are well worthy of cultivation.

Delight of the Table.	7300	25
Trevoux.	7310	25
Noir des Carmes.	7320	25
Tours Sugar.	7330	25

These are four of the latest Paris market sorts.

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EDEN GEM MUSKMELON

WATERMELON

MELON D'EAU

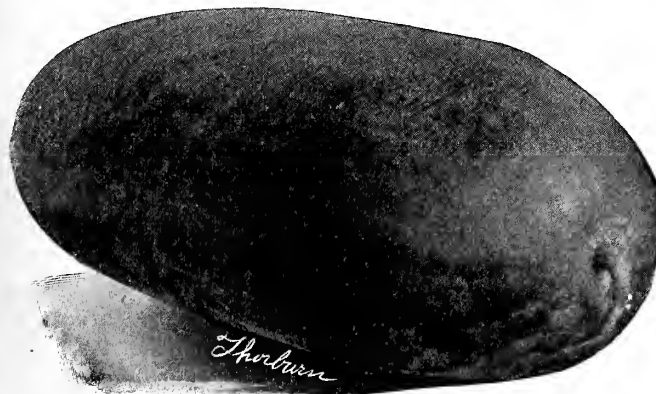
Zandia

Waffermelone

CULTURE.—Treat the same as Muskmelons, except that they should be planted 8 to 10 feet apart, according to variety. Light soil is best.

	Oz.	$\frac{3}{4}$ lb.	Lb.
Alabama Sweet. Dark green; tender red flesh; long. Fine shipper.....	7410	\$0 10	\$0 25
Black Diamond. Dark green, tough skin; large size. Round.....	7430	10	25
Black Spanish. Roundish; nearly black; dark red flesh; early.....	7440	10	25
Boss. Oblong; dark green; flesh deep scarlet; rind thin; intermediate.....	7450	10	25
Blue Gem, or Iceberg. Bright red flesh; very sweet; fine shipper. Oval.....	7460	10	25
Bradford. Long and of dark color; red flesh, sweet and tender.....	7480	10	25
Cole's Early. Medium size; red flesh; green skin. Oval.....	7490	10	25
Cuban Queen. Solid and heavy; skin marked regularly; excellent; early. Oval.....	7500	10	25
Dixie. Excellent quality; very large and solid; red flesh; intermediate. Long.....	7510	10	25
Duke Jones. Large; handsome; dark green; red flesh of fine flavor.....	7520	10	25
Early Fordhook. Extra early; good size; green skin; red flesh. Oval.....	7530	10	25
Florida Favorite. A superior strain; oblong; red flesh; intermediate.....	7540	10	25
Halbert Honey. Dark, glossy green skin; flesh crimson, luscious and sweet. Strong, vigorous grower and free fruiter. Long. Fine for northern states.....	7550	10	25
Hungarian Honey. A very early sort; fine for northern latitudes; perfectly round; brilliant red flesh.....	7560	15	40
Ice Cream, White Seed (Peerless). Very early; red flesh. Oval.....	7570	10	25
Icing, Dark. Solid; dark green skin; red flesh of superior quality; white seed; early; nearly round.....	7580	10	25
Icing, Light. Round; pink flesh of fine quality.....	7590	10	25
Jordan Gray Monarch. Largest grown; crimson flesh; late. Long.....	7600	10	25
Jumbo. Deep red flesh of excellent flavor. Very large, almost globular in shape; striped light and dark green.....	7606	10	25
Kleckley Sweets. Exceedingly sweet and fine-flavored; dark green skin; thin rind; flesh scarlet, solid and firm. Long.....	7610	10	25
Kolb Gem. Large; good shipper; bright red flesh; intermediate. Oval.....	7620	10	25
Mammoth Ironclad. Long; very large; late; red flesh; good shipper.....	7630	10	25
Mammoth Santiago. Light green skin, striped darker; deep blood-red flesh of sweet flavor; uniformly large and long; a good shipper.....	7640	10	25
McIver's Sugar. Oblong, handsome and very sweet.....	7645	10	25
Mountain Sweet. Red flesh; late; dark green; long, tapers to stem end.....	7650	10	25
Phinney. Early, and of fine quality; large; solid; red flesh. Oblong.....	7660	10	25
Pride of Georgia. Round; large; crisp; bright red flesh; intermediate.....	7670	10	25
Rattlesnake, Southern. Oblong; dark and striped; bright red flesh; late.....	7680	10	25
Seminole. Very large; quality first-rate; red flesh; intermediate. Oblong.....	7690	10	25
Sugar Stick. Light green; oblong; luscious rich red flesh. Strong grower.....	7700	10	25
Sweetheart. Very large; bright skin; fine quality. Oval.....	7720	10	25
TOM WATSON. Produces melons 16 to 22 inches long and 8 to 10 inches in diameter. The dark green rind is thin but tough; stands shipping well. The flesh is deep red, crisp and melting and of finest flavor. Long.....	7724	10	25
Triumph. Bluish green skin; red flesh; large; good shipper. Oblong.....	7730	10	25
Wonderful Sugar. Very sweet; handsome. Oblong.....	7740	10	25
Citron, Green Seed. Used for preserves.....	7750	10	25
Citron, Red Seed. Round and handsome; for preserving.....	7760	10	25

All 5 cents per packet



TOM WATSON WATERMELON

NASTURTIUM

CAPUCINE

Maraneula

Nasturtium

CULTURE.—Sow as soon as all danger of frost is past, in drills about an inch deep. The tall kinds require fences or poles on which to climb. The seeds are used in flavoring pickles, or as a substitute for capers.

	Oz.	$\frac{3}{4}$ lb.	Lb.
Tall Crimson...	7900	\$0 10	\$0 25
Tall Yellow	7910	10	25
Tall Mixed	7920	10	20
Dwarf Mixed ...	7930	10	20

All 5 cents per packet

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OKRA, or GUMBO

GOMBAUD *Quimbombo* Safran

CULTURE.—Sow late in the spring, after the ground has become warm, in drills 3 feet apart, where the plants are to remain. Thin out to from 9 to 12 inches. They should be well manured. They may also be raised in pots or a hotbed, and transplanted. For keeping, they should be picked while small and tender.

	Pkt.	Oz.	¼lb.	Lb.
Long Green. Tall; very productive; moderately long green pods.....	8020	\$0 05	\$0 10	\$0 20
White Velvet. Tender, long, white pods; smooth and velvety in appearance.				
	8030	05	10	20
Dwarf Green Prolific. Short, thick pods	8040	05	10	20
Perkins' Mammoth. Fine strain; very long pods.....	8050	05	10	20

ORACH, or FRENCH SPINACH

ARROCHE *Armuelle*

CULTURE.—Sow early in spring; cultivate and use like spinach.

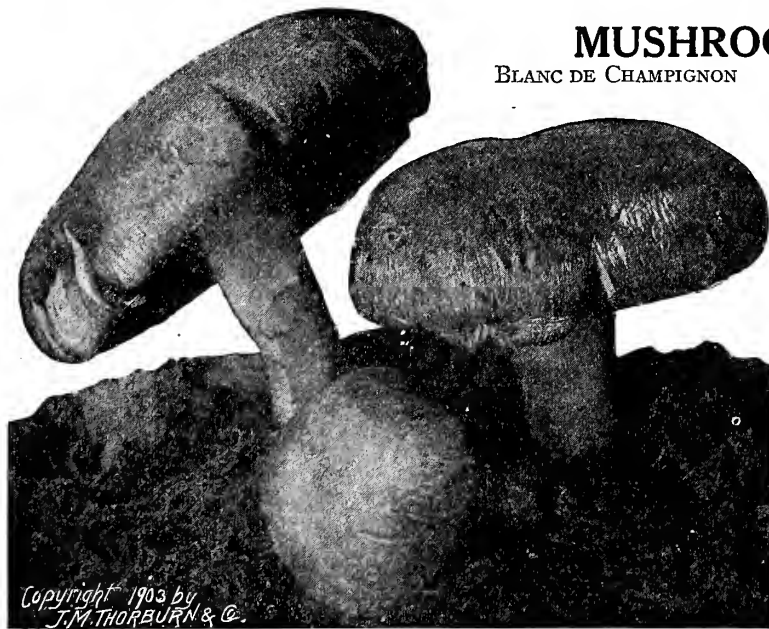
	Pkt.	Oz.	¼lb.	Lb.
Red. Distinct; dark red leaves.....	8100	\$0 05	\$0 15	\$0 35
White. Pale green leaves, almost yellow.....	8120	05	15	35

MUSHROOM SPAWN

BLANC DE CHAMPIGNON

Seta

Champignonbrut



CULTURE.—Mushrooms may be grown in cellars, under benches of greenhouses, or in sheds, wherever the temperature of 50 degrees can be kept up through the winter. The beds should be made from November to February, according to the time the Mushrooms are wanted, and it requires about two months for them to begin bearing. Secure fresh horse manure, free from straw and litter, and mix an equal bulk of loam from an old pasture with it. Keep this under cover, taking care to turn it every day to prevent heating, until the pile is large enough to make a bed the required size. Three to 4 feet wide, 8 inches deep and any length desired are the proper proportions for a bed, but these may be varied. Prepare the mixture of loam and manure, making the bed in layers, and pounding down each with the back of the spade. Leave this

to heat through for a few days, and as soon as the heat subsides to 90 degrees, make holes in the bed about a foot apart each way, and about one inch deep, into which put pieces of the spawn 2 or 3 inches in diameter; fill up the holes with the compost, and at the expiration of a week or ten days the spawn will have thoroughly diffused itself through the bed. Spread a layer of fresh soil over the heap to the depth of 2 inches and cover with 3 or 4 inches of hay, straw or litter. Examine the bed often to see that it does not get dry. Take special care, however, when water is given, that it be at a temperature of about 100 degrees.

From our experience with English, French and American Spawn, we find there is an important difference between them. If the manure in the bed is in proper condition, the French Spawn will take hold and grow fully as well as the other two; but, if the bed is not in the right state, it will often rot. The American and English Spawns, on the contrary, after starting a little, will remain in a comparatively dormant state for a long time without losing their vitality. It is well to keep these points in mind in ordering Spawn.

	Per brick	10 bricks	100 bricks
American Spawn. In bricks.....	8170	\$0 20	\$1 80
English Spawn. In bricks.....	8190	15	1 30
French Spawn. In bulk. (None this season.).....	8200		12 00

If by mail, add 10 cts. per brick for postage

MARTYNIA (For Pickles)

Gemshorn

CULTURE.—Sow in May in the open ground, 3 feet apart in each direction, where the plants are to remain; or the seed may be sown in a hotbed, and the seedlings afterward transplanted. These varieties are productive and fine for pickles. Pick when small and tender, and preserve the same as cucumbers.

	Pkt.	Oz.	¼lb.	Lb.
Craniolaria	8250	\$0 05	\$0 25	\$0 75
Proboscidea	8280	05	25	75

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ONION

OIGNON

Cebolla

Zwiebel

CULTURE.—Sow in rich, sandy soil, in drills 1 foot apart, as soon as the ground can be worked in spring—at the rate of 4 to 5 lbs. to the acre. Thin to 3 to 4 inches, using the rake and hoe frequently to keep down the weeds. The finest Onions are produced by the new method of sowing the seed in hotbed in February and March and transplanting the seedlings to the open ground.

		Oz.	¼lb.	Lb.
White Early Barletta. A small white Italian sort; very early.....	8320	\$0 15	\$0 35	\$1 25
“ Queen. Pure white; small, flat; extra early; fine for pickling.....	8330	15	35	1 25
Very White Pearl (Resina). Extra-early; round; very white; fine flavor.....	8334	15	35	1 25
White Victoria. Italian. White and globular.....	8350	15	35	1 25
“ Large Portugal. The standard large flat sort of the New York markets.....	8360	20	50	1 75
“ Large Globe. (Southport Strain.) Very large and handsome.....	8370	20	60	2 00
“ Mammoth Garganus, or Silver King. Large, silvery white Italian... ..	8380	20	50	1 75
“ Paris Silverskin. Fine Italian sort.....	8390	15	35	1 25
“ Berrauda. (Teneriffe-grown.).....	8400	20	60	2 00
“ Tripoli (El Paso, or Mexican). Large, white Italian variety.....	8420	15	35	1 25
“ Bunching, or Italian Silverskin	8430	15	35	1 25
“ Marvel of Pompeii. Small Italian sort, two weeks earlier than Barletta.....	8440	15	35	1 25
“ VAUGIRARD WINTER. For pickling. Sow in September for early spring Onions.....	8450	20	50	1 50
“ Welsh. The leaves are used for salad early in spring. Sow in fall.....	8520	20	60	2 00
Yellow Danvers. A standard sort; early and a good keeper.....	8540	15	35	1 25
“ Globe Danvers. Of more globular shape; keeps well.....	8550	20	50	1 50
“ Large Globe. (Southport Strain.) The finest large yellow.....	8560	15	35	1 25
“ Globe Michigan. True globe-shape; fine keeper.....	8564	20	50	1 50
“ Prizetaker. Immense size; globe-shaped.....	8570	20	50	1 50
“ DENIA. Imported from Spain. It is generally conceded that this is the parent type of the well-known Prizetaker, of which, however, it is a far superior strain.....	pkt. 15c. 8574	50	1 75	6 00
“ Giant Rocca. Productive and mild; of large size; Italian.....	8576	15	35	1 25
“ Strasburg, or Dutch. Fine keeper; flat; yellow skin; white flesh.....	8580	15	35	1 25
“ Ailsa Craig. A splendid Yellow Globe variety; grown largely for exhibition purposes. The great forcer; mammoth.....	pkt. 10c. 8600	30	1 00	3 00
Red Australian Brown. Medium size; hard; solid; very early.....	8700	15	35	1 25
“ Bermuda. (Teneriffe-grown.).....	pkt. 10c. 8710	20	60	2 00
“ Large Wethersfield. Half-early, and a good keeper; large size.....	8720	15	35	1 25
“ Large Globe. (Southport strain.) The finest large red sort.....	8730	20	50	1 50
“ Early Flat. Medium size; very early; deep red; mild flavor.....	8750	20	50	1 50
Chives Seed	pkt. 10c. 8760	40	1 25	4 00
Shallot Seed	pkt. 10c. 8820	40	1 25	4 00

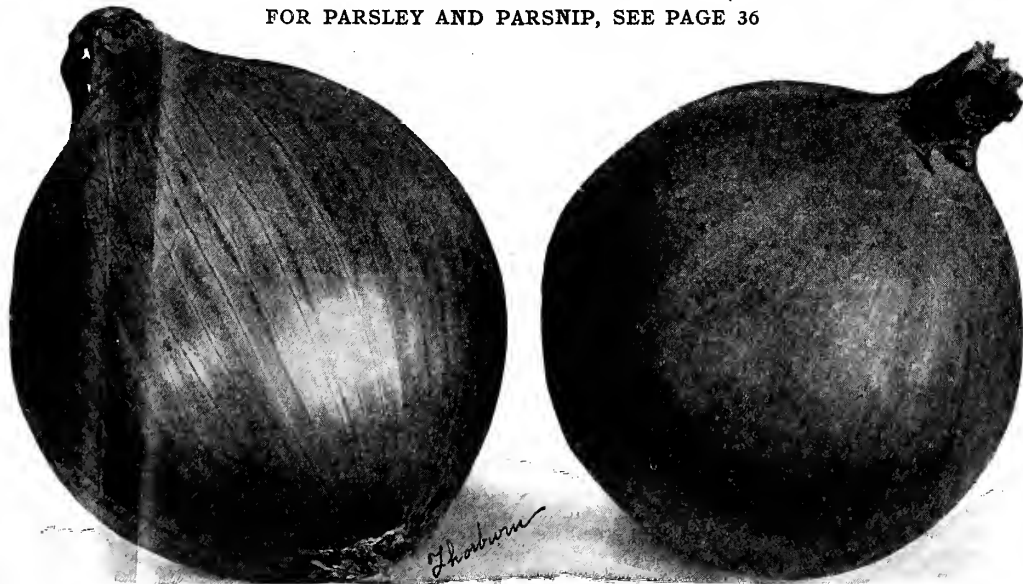
All 5 cents per packet except where quoted otherwise

ONION SETS

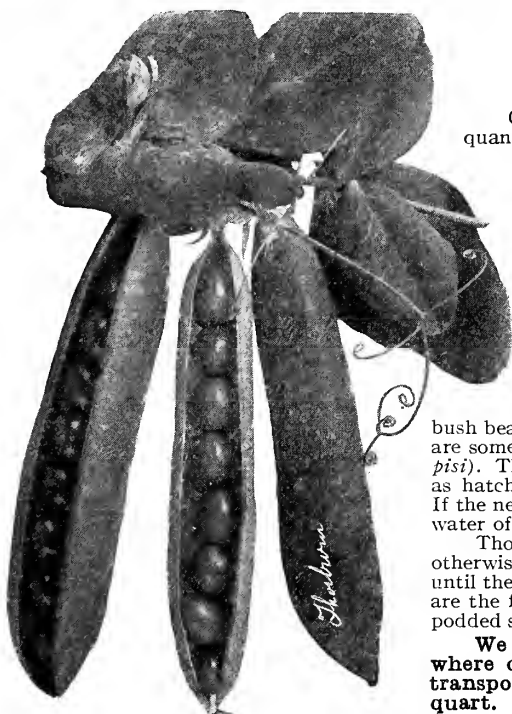
Plant in drills about 12 inches apart and 4 inches in the rows. Give high culture.

		Qt.	½pk.	Pk.
Yellow Onion Sets	These are the prices ruling in January; later on they may be higher	\$0 20	\$0 60	\$1 00
White Onion Sets		25	75	1 25
Red Onion Sets		20	60	1 00

FOR PARSLEY AND PARSNIP, SEE PAGE 36



THORBURN'S YELLOW GLOBE DANVERS ONIONS



GRADUS PEAS

PEAS

POIS

Chicharos o Guisantes

Erbsen

CULTURE.—A week may be gained in earliness by sowing a quantity in moist sand placed in a box in the cellar, and planting outside when well sprouted. Light, dry soil, not over rich, suits the Pea. Sow as early as the ground can be worked, and again every ten days for succession. Peas may be sown in this vicinity as late as the 20th of August. Medium and Late Peas must be planted early; Extra-Earlies may be planted again in August. Sow in single or double rows, from 4 to 6 feet apart according to the different heights, about an inch apart in the row (except such sorts as we note to sow thinly), and 4 inches deep; one quart to 100 feet of drill. In this climate, the O'Rourke Pea, if planted from the 10th to the last of August, will produce a fair crop for fall picking, when Peas will be most acceptable. Hoe often and keep the ground clean and fine. The tall sorts can be made to grow more freely by pinching in. The dwarf varieties may be grown in beds like bush beans, with rows about the same distance apart. The holes which are sometimes found in Peas are caused by the Pea weevil (*Bruchus pisi*). The beetles lay their eggs on the young pods, and the larvæ, as soon as hatched make their way through the pods and into the nearest Peas. If the new aphide attacks the Peas, spray the vines every day with clear water of the same temperature as the atmosphere.

Those marked with a star (*) are wrinkled marrows, and, unless otherwise stated, should be sown thicker than the round Peas and not until the ground has become warm, as they are more liable to rot. They are the finest flavored of all Peas. Those marked thus (†) are large-podded sorts.

We supply packets of Peas at 10 cts. each, postpaid, except where quoted otherwise; other quantities NOT prepaid. Add transportation charges at the rate of 5 cts. per pint, 10 cts. per quart.

EXTRA-EARLY PEAS

	Height in feet	Per pint	Per quart	Per ½ pk.	Per pk.
Thorburn Extra-Early Market. Our standard market-garden extra-early Pea; productive and profitable to grow.....	8900	2 ½	\$0 15	\$0 30	\$1 00
Daniel O'Rourke, Improved. Extra early; favorite sort.....	8910	2 ½	15	30	1 00
First-of-All. First-class selected strain of extra-earlies.....	8920	2 ½	15	30	1 00
Alaska. One of the very earliest blue Peas; quite productive.....	8930	2 ½	15	30	1 00
*† Thomas Laxton. A cross between Gradus and one of the extra-early sorts. Ripens within a day or two of the earliest round varieties; very productive. The pods are large and contain seven or eight large, wrinkled Peas of the finest flavor	8940	3	20	35	1 25
*† Gradus , also called Prosperity. One of the finest extra-early Peas. Ready to pick about four days after 8900. Pods very large, filled with large, wrinkled Peas of finest quality	8950	3	20	35	1 25
* American Wonder. Early and productive; fine quality.....	8980	1	15	30	1 00
* English Wonder. Very prolific and early.....	8986	1 ½	15	30	1 00
* Sherwood. Pods large, deep green color.....	8988	1	15	30	1 00
* Sutton's Excelsior. As early as American Wonder, with much broader pods, filled with large Peas of finest flavor; very prolific.....	8990	1	20	35	1 25
* Nott's Excelsior. Splendid early wrinkled sort; very prolific.....	9000	1	15	30	1 00
* Little Gem. Early; straight pods.....	9020	1 ½	15	30	1 00
* Little Marvel. A few days earlier than English Wonder and with larger pods. This variety is an improvement on English Wonder and in habit is very similar. Remarkably prolific.....	9030	2	25	40	1 35
*† Laxtonian. Very large, dark green, curved pods and Peas of finest flavor; great yielder; very early	9040	1 ½	30	50	1 75
* Richard Seddon. The best dwarf extra-early	9045	1 ½	25	40	1 35
* Wm. Hurst. Dwarf; wrinkled; on the style of American Wonder.....	9050	1	20	35	1 25
*† Witham Wonder. A valuable and reliable, early, dwarf sort; long, curved pods well filled with large Peas of sweet flavor	9080	1	20	35	1 25

EARLY AND MEDIUM PEAS

* Advancer. A fine standard sort of excellent quality.....	9130	2 ½	15	30	1 00
* Abundance. Long, round, well-filled pods. Sow thinly.....	9160	1 ½	15	30	1 00
* Horsford's Market-Garden. On the style of Advancer; prolific....	9170	2 ½	15	30	1 00
* Everbearing. Long pods; large Peas. Sow thinly.....	9180	2 ½	15	30	1 00
† Pride of the Market. Very large pods; green Peas. Sow thinly....	9190	2	15	30	1 00
* Champion of England. A well-known standard sort. Sow thickly.	9200	5	15	30	1 00

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EARLY AND MEDIUM PEAS, continued

	Height in feet	Per pint	Per quart	Per ½pk.	Per pk.
* Dwarf Champion (Juno). A dwarf form of the popular Champion of England, with large pods; very productive; finest quality.....	9210 2	\$0 15	\$0 30	\$1 00	\$1 75
*† Duke of Albany (American Champion). Immense pods on style of Telephone; very superior.....	9220 5	20	35	1 25	2 00
* Gladstone . Extra-fine, large, recurved pods.....	9240 3½	15	30	1 00	1 75
*† Heroine . Large, full pods; enormously productive.....	9260 2½	20	35	1 25	2 00
*† Daisy . Dwarf, wrinkled, with large pods and Peas.....	9270 1½	25	40	1 35	2 25
*† Sutton's Dwarf Defiance . Straight, long, dark green pods, closely packed with large Peas of superior flavor. Very productive.....	9280 2½	15	30	1 00	1 75
* Te Aroha , or " Good Luck ." Fine dark green foliage; large pods; Peas of superb flavor.....	9285 2	25	40	1 35	2 25
* Yorkshire Hero . A spreading variety; productive. Sow thinly.....	9300 2½	15	30	1 00	1 75

MAIN- AND LATE-CROP PEAS

†* Admiral Dewey . Enormous pods; large wrinkled Peas of fine flavor; very productive.....	9400 3½	20	35	1 25	2 00
*† Stratagem . Very large pods; Peas of finest quality.....	9420 1½	20	35	1 25	2 00
Potlatch . A large-podded Stratagem.....	9430 1½	20	35	1 25	2 00
*† Telephone . Enormous pods and Peas of best quality.....	9450 4	20	35	1 25	2 00

SUGAR PEAS (EDIBLE PODS)

Sugar Peas have edible pods which are eaten when young.

Mammoth Gray-seeded Sugar . Immense pods.....	9540 5	30	45	1 50	2 50
Dwarf White Sugar . Very early.....	9550 3	25	45	1 50	2 50
Luscious Sugar	9564 4	30	45	1 50	2 50

PEPPER

PIMENT *Pimiento* Pfeffer

CULTURE.—Sow in hotbeds in March and, when the soil has become warm, set in rows 2 feet apart and 18 inches in the rows; hoe frequently. The plants may also be forwarded in small pots.

Bell, Large. Large; bright red; largely used for pickling. It is of such mild flavor that it may be eaten as a vegetable.....

CHINESE GIANT. Very large; flesh very mild and thick; bright scarlet color.....

Cayenne Long Red. Slender pods, 3 in.; pungent

Celestial. At first fruit is yellow, but when fully matured, a deep scarlet.....

Crimson Giant. Brilliant color; not sweet ...pkt. 10c....

Golden Dawn. Sweet; very handsome and distinct; of mild flavor; small.....

Golden Queen Mammoth. Very large fruits; rich golden yellow color; early.....

Monstrous, Sweet. Very large and of mild flavor; for use when green.....

Neapolitan. Early and productive. Large and sweet...

Red Chili. Productive; small; red and very pungent...

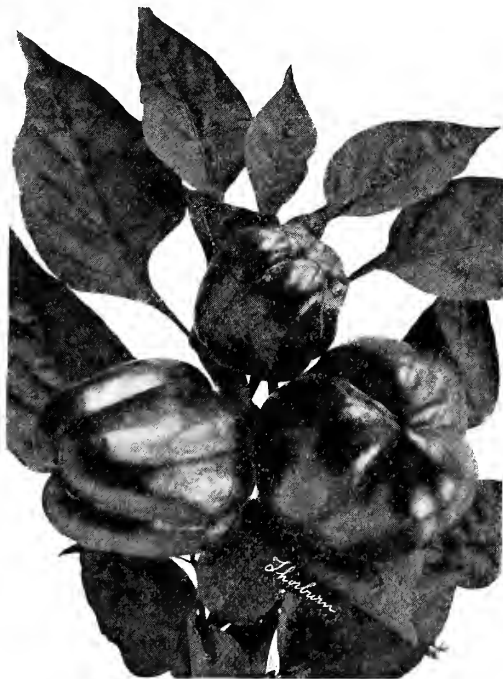
Red Cluster. A new type of Chili, with upright, bright red fruits.....

RUBY GIANT. Large; desirable shape for stuffing. Mild and delicate. .pkt. 10c.

Ruby King. Bright red; 4 to 6 inches long; mild; best for stuffing

Squash, Large. Productive; for pickles.....

Sweet Mountain. Large size; regular; mild flavor....



THORBURN UPRIGHT SWEET SALAD PEPPER
(see page 36)

All 5 cents per packet except where quoted otherwise

PEPPER, continued

	Oz.	¼lb.	Lb.
Sweet Spanish. Large, mild; used for salad9800	\$0 25	\$0 60	\$2 00
Tabasco. True. Bush 3 feet high; small, long, bright red fruit in clusters; very hot; best for pepper-sauce and pickling.....pkt. 10c...9810	45	1 35	4 50
THORBURN UPRIGHT SWEET SALAD. Finest of all. Handsome, productive and of finest quality; bright scarlet; flesh thick, mild and very sweet. The Peppers are as large as Ruby King, and are all borne upright, clear of the ground. The flesh is so thick and the skin so tender that it may be fried like a beefsteak, and so sweet that it may be eaten like an apple.....pkt. 10c...9840	40	1 25	4 00
All 5 cts. per packet, except where quoted otherwise			

PARSLEY

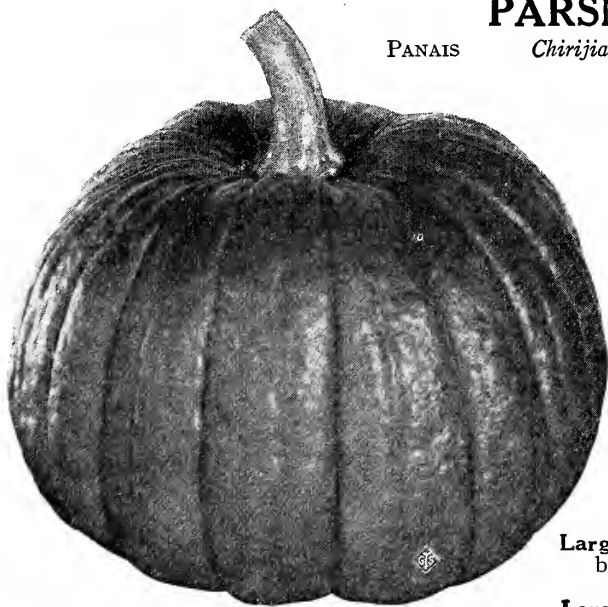
PERSIL *Perijil* *Peterfilie*

CULTURE.—Soak the seeds a few hours in lukewarm water, and sow early in spring and until the middle of July, in drills 1 foot apart. Have the soil thoroughly pulverized, and, after sowing the seed, pat it down lightly with the spade. Thin out the plants to 4 inches. To preserve in winter, transplant to a light cellar or coldframe. No. 9970 should be thinned out while young, and managed in after-cultivation the same as carrots and parsnips. The roots are edible either raw or cooked.

	Oz.	¼lb.	Lb.
Thorburn Extra Curled. Superior9920	\$0 10	\$0 25	\$0 75
Thorburn Champion Moss Curled. Pretty.....9930	10	25	75
Fern-leaved. Fine curled.....9940	10	30	1 00
Plain. The ordinary form.....9950	10	25	75
Hamburg, or Thick-rooted.9970	10	25	75
“ Thick Sugar.9990	10	25	75
Glorv of Erfurt. Turnip-rooted.....9980	15	35	1 25

All 5 cents per packet

PARSNIP

PANAIS *Chirijia* *Bastinafe*

CULTURE.—Sow as early in the spring as the ground can be worked, in rich soil, in drills 18 inches apart. The ground should be well and deeply dug. Thin to 6 or 8 inches in the rows. Hoe and cultivate often to keep down weeds.

Thorburn Hollow Crown. A market-gardeners' strain. 10030 Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 50 cts.

Early Round. 10050 Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.

PUMPKIN

POTIRON *Calabaza* *Große Kürbiß*

CULTURE.—May be planted middle of spring, among the Indian corn or in the field or garden, in hills 8 or 10 feet apart each way, four seeds in a hill. In other respects is cultivated in same manner as melons and cucumbers. Avoid planting near other vines.

	Oz.	¼lb.	Lb.
Large Cheese. Flat; one of the best varieties for family use. 10150	\$0 10	\$0 20	\$0 50
Large Cheese, Kentucky. Flat; fine for pies, etc.....10160	10	20	45
Early Sugar. Fine-grained, sweet and prolific; small; yellow.....10170	10	20	50
Golden Oblong. Orange skin; light yellow flesh; fine quality; good keeper.....10200	10	20	50
Cushaw Golden. Fine yellow crookneck sort.....10210	10	20	65
“ Striped. A splendid striped crookneck variety.....10220	10	20	50
“ White, or Jonathan. A white crookneck variety of excellent quality; fine for pies.....10224	10	20	65
Tennessee Sweet Potato. Bell-shaped; thick, white flesh; fine for pies.....10230	10	20	65
Calhoun. Very superior quality. Yellow flesh. Fine for pies.....10240	10	20	65
Japan Crookneck. Fine keeper; quality excellent.....10244	10	25	75
Japanese Pie. Early; dark green; flesh yellow.....10246	10	25	75
Mammoth King. Grows to an enormous size.....10260	10	30	1 00
Mammoth Tours. A very large French variety.....10270	10	30	1 00
Quaker Pie. Very prolific and a good keeper; fine for pies.....10280	10	25	75
Winter Luxury. A fine keeper and one of the best for pies.....10290	10	20	65
Connecticut Field. Grown in cornfields for stock.....¼lb. 25c...10300	10	15	45

All 5 cts. per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.

CONNECTICUT FIELD PUMPKIN

POTATOES, Grown Expressly for Seed (IN BARRELS)

POMME DE TERRE

Patatas

Kartoffeln

CULTURE.—Three to four barrels to the acre. In order to have the best success in growing Potatoes, it is necessary to plant as early as the ground can be made ready. Select a rich soil, and plant in rows 3 feet apart, and the sets 1 foot in the rows. If wood-ashes and plaster can be procured, sow a good dressing over the field after the Potatoes are up. If a very early crop is desired, it will be necessary to sprout the Potatoes before planting. Cut the Potatoes into pieces of any size desirable, and place in a warm, light room for four to six weeks before required for planting in the open ground. During this time shoots will start out strong and vigorous, so that, as soon as planted, they will send out roots and grow much more rapidly than those treated in the ordinary way. Another method is to place the sets in a hotbed two weeks before they are wanted, and then lift carefully and set out on fresh horse dung, so that the heat will cause them to start at once. If the Colorado Potato beetle makes its appearance, the vines must be dusted with paris green mixed with about 80 parts of plaster; or what is better, mix the paris green in water, one small tablespoonful to a pailful, and apply with a small brush or broom. Take care to stir the mixture often, or else the paris green will settle to the bottom. Two or three applications during the season will usually suffice to clean off all the beetles.

EARLY POTATOES

	½pk.	Pk.	Bus.	Bbl.	
NOROTON BEAUTY. The finest and most productive extra-early Potato grown. Handsomer in appearance and more uniform in shape than any other sort. Its table quality is superb. Original stock.	10400	\$0 50	\$0 75	\$2 25	\$5 00
Thorburn's Beauty of Hebron. Slightly flesh-colored skin, with pure white flesh. Early, very productive and of the finest quality.	10420	45	65	2 00	4 50
Irish Cobbler. Fine white; vigorous grower.	10430	45	65	2 00	4 50
Bovee. Extra early; very productive; of fine quality; flesh white.	10440	45	65	2 00	4 50
Early Rose. Popular market sort; very early; fine quality; very productive.	10460	45	65	2 00	4 25

INTERMEDIATE AND LATE POTATOES

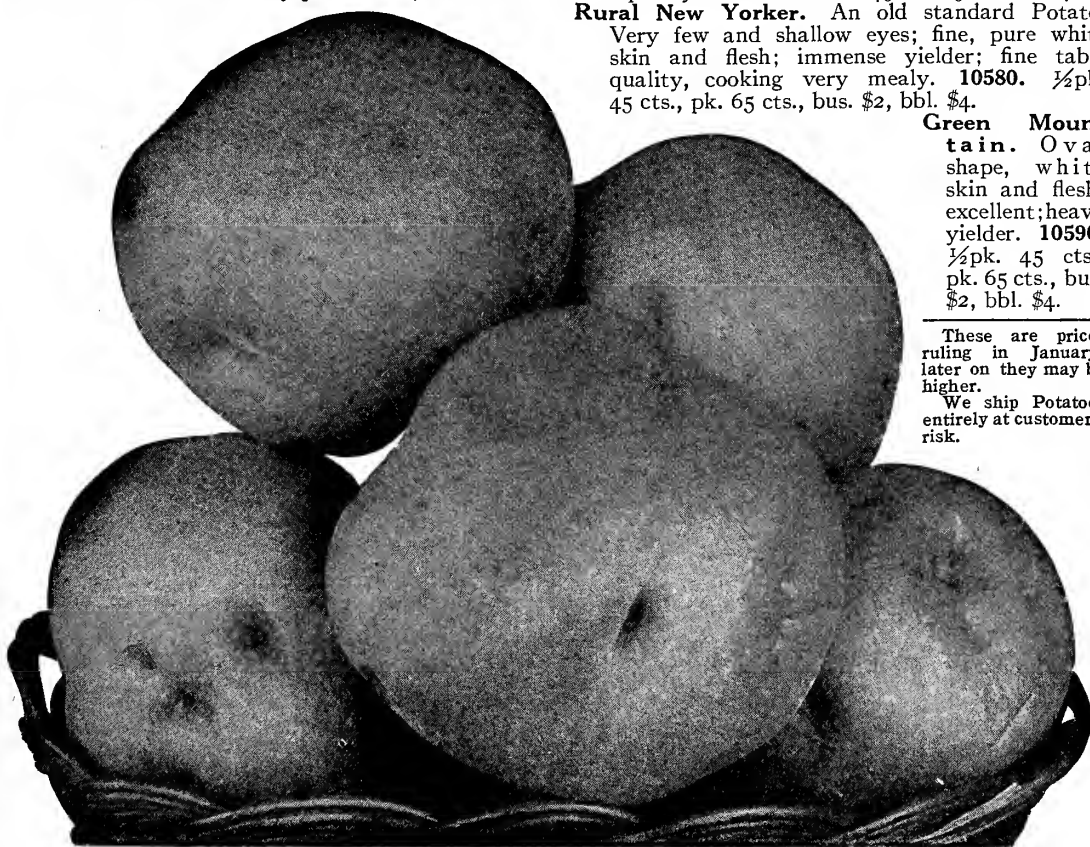
Gold Coin. A splendid main-crop variety of remarkable productiveness and finest table quality; slightly oblong form, light golden skin; flesh pure white, fine-grained; cooks very dry.	10520	45	65	2 00	4 00
Carman No. 1. This most valuable Potato was introduced by us in 1894, and it is a recognized high-class standard sort the world over. The finest second-early Potato ever offered.	10530	45	65	2 00	4 00
Uncle Sam. Handsome shape, good size, fine quality.	10540	45	65	2 00	4 00
Sir Walter Raleigh. Very productive; white flesh of best quality.	10560	45	65	2 00	4 00

Rural New Yorker. An old standard Potato. Very few and shallow eyes; fine, pure white skin and flesh; immense yield; fine table quality, cooking very mealy. **10580.** ½pk. 45 cts., pk. 65 cts., bus. \$2, bbl. \$4.

Green Mountain. Oval shape, white skin and flesh; excellent; heavy yield. **10590.** ½pk. 45 cts., pk. 65 cts., bus. \$2, bbl. \$4.

These are prices ruling in January; later on they may be higher.

We ship Potatoes entirely at customer's risk.



THORBURN'S NOROTON BEAUTY POTATOES

RADISH, continued

	Oz.	¼lb.	Lb.
*Long Wood's Frame. Long, red, crisp and good forcer.	11250 \$0 10	\$0 20	\$0 50
Round Scarlet China. Fine for winter or summer. Matures in 6 to 8 weeks.	11290 10	20	50
*White Strasburg Summer. Very large; the German's favorite.	11320 10	20	50
* " Stuttgart Summer. Very early and very large.	11330 10	20	60
*Winter Scarlet Chinese. Oblong. Very handsome and distinct and keeps well.	11380 10	20	50
" Long Black Spanish. The popular winter sort.	11390 10	20	50
" Half-Long Black Spanish. Very fine strain.	11400 10	25	75
" Oval Black Spanish. Shorter and more oval than the above.	11410 10	25	75
" Round Coal-Black Spanish. Fine for winter.	11420 10	25	75
Sakurajima (Mammoth Japan). The largest sort in cultivation. Sow early in rich soil. In Japan it grows as much as 21 inches long and 43 inches in circumference. Thin well to allow of proper development.	11480 15	50	1 50

All 5 cents per packet

RAMPION

RAIPONCE *Reponche* *Rapunzel-Rübe*

CULTURE.—Sow in the open ground early in May, either broadcast or in drills 10 inches apart. As the seed is very fine, it merely requires to be pressed firmly into the soil. Thin out the seedlings if they come up too thickly, and water frequently during hot weather. The roots may be gathered for use from October onward throughout the winter. The roots and leaves are excellent as salad. 11550. Pkt. 10 cts., oz. 20 cts., ¼lb. 60 cts., lb. \$2.

ROQUETTE

CULTURE.—Sow early in spring, in rows, and thin out to 8 to 10 inches. If kept well scuffled and watered, the tart flavor of the leaves is greatly diminished. This flavor is not pronounced in the small leaves, which are used for salad. The flowers, appearing from May to June, have very much the odor of orange-blossoms. 11590. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.

RHUBARB

CULTURE.—Sow seed in a coldframe, in a fine, rich, sandy loam, about the first of March, in drills 4 inches apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in six to eight weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows 12 inches apart and 12 inches in the row. The following spring transplant again to a permanent location, setting 4 to 5 feet apart each way. In good soil, Rhubarb is ready to use the second year from seed. When roots are set out plant them 4 to 5 feet apart each way, and keep weeds down. If roots are used, a crop may be had after one season, which is much better than sowing seed where only a few plants for family use are needed. In the fall, the bed should have a thick dressing of coarse manure, to be spaded under in spring.

Pkt. Oz. ¼lb. Lb.
 Victoria. 11640 \$0 05 \$0 15 \$0 35 \$1 00
 ROOTS, of Victoria only. Strong. 11700 15 cts. each, \$1.50 per doz. Transportation charges extra.

SCOLYMUS

The roots resemble a small parsnip, and will keep through the winter like a turnip. It is cultivated exactly like the carrot, except that it should be grown in rows 3 feet apart and 18 inches in the rows. It is eaten boiled like salsify. 11740. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

SCORZONERA

CORZONERE *Escorzonera* *Scorzonwurzel*

CULTURE.—Cultivate the same as salsify. It is cooked in the same manner, but, on account of being somewhat more difficult to raise, is seldom seen in cultivation. Considered by many superior to salsify. It is also called Black Salsify. 11780. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

SALSIFY, or VEGETABLE OYSTER

SALSIFIS *Ostion Vegetal* *Haferwurzel*

CULTURE.—Sow as early as the ground can be worked in the spring, in drills 12 inches apart, 1 inch deep, and thin out to 6 inches in the row. Keep them free from weeds. Cultivate the same as carrots and parsnips. A part of the crop may be left in the ground till spring, when it will be found fresh and plump. The roots are cut into pieces ½ inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like parsnips, and have a sweet and agreeable flavor. Mashed and fried, the flavor is much like that of the oyster. Sow eight to ten pounds to the acre.

Mammoth Sandwich Island. Large. 11850. Pkt. 5 cts., oz., 15 cts., ¼lb. 40 cts., lb. \$1.25.

SKIRRET. See page 41.

MAMMOTH SANDWICH ISLAND SALSIFY

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound



SORREL

OSEILLE

Acedera

Sauerampfer

CULTURE.—Sow in spring in drills 18 inches apart, in a rich soil, and keep the flower-stems cut off as they appear. It remains in the ground year after year, and needs to be taken up and divided only once in four or five years. To be cut and cooked precisely like spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

	Pkt.	Oz.	¼lb.	Lb.
Garden, Large French.	11930	\$0 05	\$0 20	\$0 55
“ Large Belleville. Very large.....	11934	10	25	65
“ Mammoth Lyons. Extra-large improved strain.....	11940	10	25	75
“ Golden-leaved Lyons.	11944	10	25	65
“ Large-leaved German.	11950	05	20	55
“ Chambourcy. A new, large-leaved desirable sort.....	11960	10	25	65
“ Monstrous Long-standing. An improvement on the Lyons variety, and superior in its abundance of leaves and long-standing qualities before running to seed.....	11970	10	25	75
				2 50



GIANT LUCULLUS SWISS CHARD

SWISS CHARD, or SILVER BEET

Silver Leaf. This is a Beet producing leaves only, of a quality superior to those of the ordinary Beet, and excellent as greens.

Cultivate about the same as spinach, by sowing the seed in early spring in drills about a foot apart. As it grows, thin out for use, and keep clear of weeds if success is desired. Good cultivation will increase the delicacy and tenderness of the leaves. 1690. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts.

Giant Lucullus. Large, crinkled leaves; tender and of fine flavor; dark green; pure white ribs. 1700. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.25.

SPINACH

EPINARD

Espinaca

Spinat

CULTURE.—Sow in early spring, in drills a foot apart (10 to 12 lbs. to the acre), every two weeks for a succession, and, as it grows, thin out for use. For fall use, sow in August, and for winter crop in September. Cover that which is left out over winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds. Sow the seeds of New Zealand in hills 2 feet apart each way, three or four seeds in a hill.

	Oz.	¼lb.	Lb.
Round Viroflay (Thick-leaved). Has very large, thick, dark green leaves; the favorite market-gardeners' sort for fall or spring sowing.....	12000	\$0 10	\$0 15
Long Season, Thorburn's. Stands longer before running to seed than any other sort except New Zealand.....	12010	10	15
Round-leaved Flanders. A standard sort.....	12020	10	15
Lettuce-leaved. Popular French sort.....	12040	10	15
Curled-leaved Savoy, or Bloomsdale. Large curled and wrinkled leaves; tender and of finest flavor.....	12050	10	15
Long-standing (Round Thick-leaved). Dark green; leaves large and thick; very long-standing. Best for spring growing.....	12060	10	15
Victoria. Extra-dark, black-green color. Two or three weeks later than the ordinary "Long-standing." A fine variety for spring sowing.....	12070	10	15
Prickly, or Winter. Vigorous and hardy; recommended for fall sowing.....	12080	10	15
Triumph. An improved long-standing sort.....	12100	10	15
New Zealand Summer. Not a Spinach, but used as such. Grows 1½ feet high and is very prolific; does well in hot summer weather; valuable for hot climates. Soak the seed in hot water before using.....	12120	10	20
			60

All 5 cents per packet

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SQUASH

COURGE

Calabaza

Speise Kürbiß

CULTURE.—Sow in hills in the same manner and at the same time as cucumbers and melons, the bush varieties 3 to 4 feet apart, the running kinds from 6 to 9 feet apart.

BUSH VARIETIES

	Oz.	¼lb.	Lb.
Early Golden Bush. Fine for summer; not so early as the White Bush.....	12200 \$0 10	\$0 25	\$0 75
Golden Custard. Mammoth strain of the Golden Bush. A valuable variety; golden yellow flesh; fine quality.....	12210 10	25	75
Early White Scallop Bush. A good early shipping variety.....	12220 10	25	75
Mammoth White Scallop Bush (Silver Custard). Not so early as the former but it produces larger fruits.....	12224 10	25	75
Long Island White Bush. An improved strain of Early White Scallop Bush; very prolific.....	12230 10	25	75
Fordhook, White Bush. Oblong fruits, smooth, thin yellow skin.....	12234 10	25	75
Summer Crookneck. Yellow fruit; distinct, best for summer.....	12270 10	25	75
Giant Summer Crookneck. Double the size of the above.....	12280 10	25	75
Cocozell Bush. (True Italian.) A fine variety; oblong shape; skin smooth, dark green, marbled yellow or pale green.....	12300 10	25	75

RUNNING VARIETIES

Bay State. Hard, blue shell; for fall or winter.....	12400 10	30	1 00
Boston Marrow. Oval; bright orange; flesh yellow and fine.....	12410 10	30	1 00
Cocoanut. A beautiful little winter Squash, the size of a cocoanut; cream-colored; fine quality; prolific.....	12420 10	25	85
Delicata. Orange-yellow, striped green; small size, but very prolific; it is extra early, solid and a good keeper; flesh dry and of fine quality.....	12440 10	30	1 00
Delicious. Green skin; orange flesh, fine-grained, sweet and dry.....	12450 10	35	1 25
Essex Hybrid. A good fall and winter sort; fine-grained; rich flavor; very prolific.....	12460 10	35	1 25
Fordhook, Running. One of the best winter sorts; fine quality.....	12470 10	35	1 25
Golden Bronze. Skin green; flesh yellow, fine-grained and sweet.....	12490 10	35	1 25
Hubbard. Well known and liked for late use; an excellent sort for pies.....	12500 10	35	1 25
“ Golden or Red. Same as above, but with orange-red skin....	12510 15	35	1 25
“ Mammoth Warted. Immense size, covered with warts.....	12530 10	35	1 25
Mammoth Chili. Rich orange flesh; grows to an enormous size.....	12540 10	35	1 25
“ Whale. Enormous size; solid; bright orange flesh of fine quality.....	12550 10	35	1 25
Marblehead. Gray skin; very productive; fine keeper.....	12560 10	35	1 25
Orange Marrow. Quite distinct; very early, and of most delicate flavor; suitable for fall and winter.....	12570 10	30	1 00
Perfect Gem. Round; white; fine quality; good for fall or winter.....	12580 10	35	1 25
Warren. Superior quality. A type of the Essex Hybrid.....	12610 10	35	1 25

All 5 cents per packet

VEGETABLE MARROW

English. The true English strain; cream-color, merging into deep yellow; white flesh; about 9 inches long.....	pkt. 5 cts. 12680 10	30	1 00
Italian (<i>Cocozelle di Napoli</i>). Grows about 20 inches long, with a diameter of 3 or 4 inches. Skin smooth, dark green, marbled yellow or paler green. In Italy it is eaten when quite young.....	pkt. 5 cts. 12700 10	25	75

SKIRRET

CHERVIS

Zuckerwurzel

CULTURE.—Sow in drills ½ inch deep, a foot apart; thin out to 8 inches in the row; keep down the weeds. Take up the roots before winter, and store in sand or earth. It is a plump, fleshy root, containing a quantity of sugar and is eaten like scorzonera or salsify.

	Pkt.	Oz.	¼lb.	Lb.
Skirret	13440 \$0 05	\$0 20	\$0 60	\$2 00

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.



THORBURN'S STONE TOMATO (see page 43)

TOMATO

TOMATO *Tomate* *Liebesapfel*

CULTURE.—Sow in a hotbed in early spring, or the seed may be sown in shallow boxes and placed in a window when one does not wish to have the trouble of making a hotbed. Transplant to the open ground when all danger of frost is past, setting the plants 3 to 4 feet apart each way. Fruit may be had several weeks earlier by sowing seed quite early and transplanting to small pots. Tomatoes that have not ripened at the end of the season may be taken from the vines and placed in empty coldframes, or wrapped in tissue paper, and carefully packed in flat boxes—where a large proportion of them will ripen from time to time, frequently until Christmas.

	Oz.	$\frac{1}{4}$ lb.	Lb.
Acme. Medium size; smooth and good; crimson.....	12740	\$0 20	\$0 65 \$2 25
Atlantic Prize. Extra early; smooth; medium scarlet; good size.....	12750	20	65 2 25
Beauty. Large, smooth, dark crimson; thick flesh; regular form.....	12770	20	65 2 25
Bonny Best. Very early; scarlet; medium to full market size; even, smooth and regular; valuable for home garden or market..... pkt. 10c....	12775	30	85 3 00
Buckeye State. Very large and productive; crimson; smooth, uniform, good quality. 12780		25	75 2 50
Carter's Sunrise. Early and productive; medium-sized, bright scarlet fruits; smooth and solid. For forcing or for outdoors..... pkt. 10c....	12794	40	I 25 4 00
Chalk's Early Jewel. Fine, large, solid, smooth, scarlet; similar to Stone; early... 12800		20	65 2 25
Coreless, Livingston's. Almost round; bright red; very productive. Ripens all over at once and being almost free from green core it is an exceptionally fine slicing sort.....	12810	25	75 2 50
Crimson Cushion. Extra large; handsome; bright crimson..... pkt. 10c....	12830	30	85 3 00
Dwarf Champion. Quite distinct; early; fruit like the Acme; crimson; of medium size; good quality.....	12840	25	75 2 50
Dwarf Giant. Largest-fruited of all dwarf sorts; crimson; firm flesh of delicious flavor. Compact and vigorous grower..... pkt. 10c....	12844	40	I 25 4 00

All 5 cents per packet except where quoted otherwise

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

TOMATOES, continued

	Oz.	¼lb.	Lb.
Earliana. Extra early; cardinal-scarlet; smooth.....	12850 \$o 25	\$o 75	\$2 50
Enormous. Extra large; very solid; scarlet.....pkt. 10c...	12880 40	1 25	4 00
Fordhook First. Smooth; solid; crimson; medium size; early; very profuse bearer.....	12910 25	75	2 50
Frogmore Selected. Medium size; bright, deep red; smooth; very solid and fine-flavored. An excellent sort for forcing under glass.....pkt. 10c...	12920 30	85	3 00
Freedom. Early; regular and uniform; bright scarlet.....	12930 20	65	2 25
Globe, Livingston's. Very early; crimson; smooth and of large size; very productive and a good keeper. A standard variety which retains its popularity..	12940 25	75	2 50
Golden Queen. Smooth; golden yellow; about size and form of Beauty; of good flavor and solid.....	12950 25	75	2 50
Imperial. Early; large; smooth; solid; fine quality; color of Beauty—a dark crimson.....	12970 25	75	2 50
June Pink. A very early market sort; crimson; smooth; medium size. .pkt. 10c...	12980 30	85	3 00
King of the Earlies. One of the very first to ripen; large; scarlet; fine for hot climates.....pkt. 10c...	12985 30	85	3 00
Lemon Queen, Thorburn's. Most desirable of the yellow Tomatoes. Skin and flesh lemon with a faint rose blush.....	12990 25	75	2 50
Lorillard. Bright glossy red; smooth; of fine flavor and very early. Very productive and satisfactory.....pkt. 10c...	13000 30	85	3 00
Matchless. Extra large, smooth and handsome; scarlet; very solid. Plant of vigorous growth and prolific.....	13030 20	65	2 25
Michigan Early. Large; scarlet; smooth and solid.....	13035 20	65	2 25
Mikado. Crimson; large, smooth and solid.....	13040 25	75	2 50
Optimus. Medium size; cardinal-scarlet; smooth and solid; second-early....	13050 20	65	2 25
Paragon. Cardinal-scarlet; round; very productive.....	13060 20	60	2 00
Perfection. Early, regular and productive; scarlet.....	13070 20	65	2 25
Ponderosa. The largest variety in cultivation; crimson.....pkt. 10c...	13080 35	1 00	3 50
RED ROCK. An improvement on the well-known Stone. Exceedingly firm-fleshed; very large size, and ripens evenly without cracking. The vine is a strong, vigorous grower and produces its fruit in great profusion.....	13084 25	75	2 50
Ruby Early. Very early; large size; color bright scarlet.....	13110 25	75	2 50
Station Upright, Dwarf. Forms a compact bush, about 18 inches high; good forcer for pots and under glass; prolific; fruit scarlet; very ornamental and useful plant.....pkt. 10c...	13114 40	1 25	4 00
Stirling Castle. Small size; solid; finest flavor; scarlet; good for forcing under glass. pkt. 10c...	13120 40	1 25	4 00
Stone, Thorburn's. Very large; perfectly smooth; fine dark scarlet.....	13130 20	60	2 00
Success. Large; bright scarlet; smooth and solid; productive. Plant strong and thrifty in growth.....	13150 25	75	2 50
TERRA-COTTA, THORBURN'S IMPROVED. Distinct in color and flesh; pure terra-cotta. <i>See Novelties</i>pkt. 10c...	13180 30	85	3 00
Thorburn's Long-Keeper. Bright red; early and productive; fine keeper...	13194 25	75	2 50
Trophy. Very solid; standard late; fine canner; dark scarlet. A particularly vigorous and thrifty grower.....	13200 25	75	2 50
Truckers' Favorite. Crimson; large, smooth and very regular in form; solid.	13210 25	75	2 50

All 5 cents per packet except where quoted otherwise



NAPOLEON TOMATO. ACTUAL SIZE

TOMATO, "NAPOLEON"

See also *Novelties*

A valuable new variety, growing in bunches like grapes; very prolific, each plant producing 100 to 150 Tomatoes of very best quality; color bright scarlet. (See illustration, actual size.) Pkt. 25 cts.

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

SMALL-FRUITED TOMATOES

For pickling and preserving. Also invaluable for garnishing.

		Oz.	¼lb.	Lb.
Red Cherry. Small fruits, used for pickles; very handsome.....	13300	\$0 30	\$0 85	\$3 00
" Currant. Resembles the currant. Useful for preserves, pickles and exhibition purposes.....	pkt. 10c. 13310	40	1 25	4 00
" Peach. Resembling a peach; for preserves, pickles and exhibition.....	13320	30	85	3 00
" Pear. Fruit handsome and solid; fine for preserves.....	13330	25	75	2 50
" Plum. Bright red; round; regular; for pickles.....	13340	30	85	3 00
Strawberry (Winter Cherry, or Husk Tomato). Yellow. Makes fine sauce..	13350	30	85	3 00
Yellow Cherry. For pickles and preserves.....	13360	25	75	2 50
" Peach. Beautiful clear yellow; perfectly resembles a peach.....	13370	25	75	2 50
" Pear. Handsome, yellow, pear-shaped fruits.....	13380	25	75	2 50
" Plum. Round and regular; bright yellow; used for pickles.....	13390	30	85	3 00

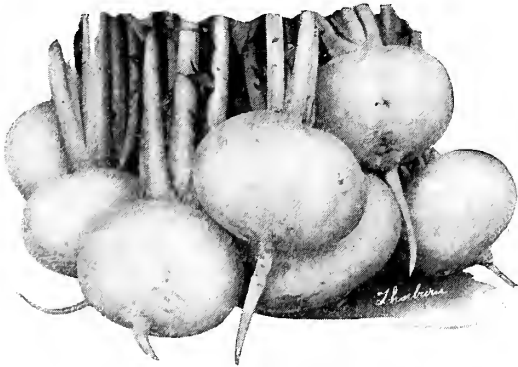
All 5 cents per packet except where quoted otherwise

WITLOOF. See *Chicory*, page 24

TURNIP

NAVET *Nabo* Rübe

CULTURE.—For early Turnips, sow as soon as the ground opens in spring. Nos. 13845 to 13895 should be sown from any time in July to first of August; but the other kinds, for winter use, may be sown from the middle of July to the end of August. Turnips are generally sown broadcast, but much larger crops are obtained (particularly of the Rutabagas) by cultivating in drills 18 inches apart, and thinning to 6 inches in the drill. Sow in drills, one pound to the acre; broadcast, two to three pounds to the acre.



EARLY SNOWBALL TURNIP

WHITE VARIETIES

		Oz.	¼lb.	Lb.
Cow Horn. Long, white, in shape resembling a cow's horn.....	13500	\$0 10	\$0 20	\$0 65
Early Snowball. Small, and of rapid growth; pure white.	13510	10	20	50
German Teltow. Smallest of all; early; distinct flavor; best for pickling.....	13520	10	20	65
Globe-shaped Red-Top. A standard sort in the New York market.....	13530	10	20	50
Globe Pomeranian White. Good either for table or stock	13540	10	20	50
Jersey Lily (White Model). Snow-white; globular.....	13570	10	20	50
Kashmyr Scarlet. Bright, handsome color; small; flat; extra early; pure white flesh of finest quality.....	13580	10	20	50
Milan, Early Purple-Crown. Earliest of all; white, with purple top. Flesh of fine quality and tender.....	13590	10	30	1 00
Milan, Early Pure White. Very handsome; pure white; crisp and tender; as early as above.....	13600	10	30	1 00
MONTESSON WHITE WINTER. Valuable new sort. Fine-grained and tender. See <i>Novelties</i>	13610	10	35	1 25
Norfolk White. Globular; late; solid.....	13620	10	20	50
Stone, Thorburn Gray. Solid and sweet; good keeper.....	13630	10	15	40
Strap-Leaf, White. A good early, white, flat sort.....	13640	10	20	50
Strap-Leaf Red-Top. The popular fall flat sort.....	13650	10	20	50
White Egg. Oval; handsome and sweet.....	13680	10	20	50

All 5 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

YELLOW TURNIPS

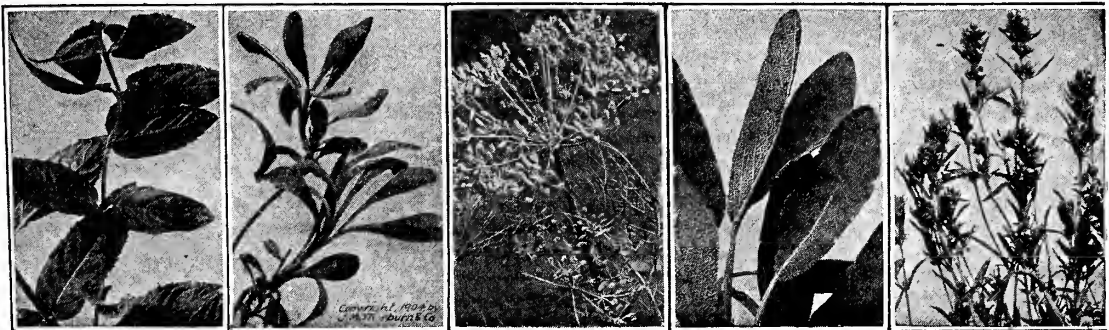
		Oz.	¼lb.	Lb.
Aberdeen Yellow. Hardy, productive and a good keeper.....	13750	\$0 10	\$0 15	\$0 40
Globe, Yellow. Fine, sweet, light yellow sort.....	13770	10	20	50
Golden Ball. Very handsome; keeps fairly well.....	13780	10	20	50
Stone, Thorburn Yellow. Fine, hard, winter sort.....	13800	10	20	50
Seven-Top. Tops used for greens.....	13830	10	20	50
Tankard Yellow. Long-shaped; good keeper; fine quality.....	13840	10	20	50

All 5 cents per packet

RUTABAGA

Bangholm. Extra selected. Small neck; yellow flesh; dark purple top.....	13845	10	20	50
Laing's Improved Strap-leaved	13855	10	20	50
Thorburn's Purple-Top, Improved. (L. I. strain.).....	13860	10	25	75
White-fleshed, or Russian	13870	10	20	50
“ English Neckless	13885	10	20	50
Yellow-fleshed English Neckless	13895	10	20	50

All 5 cents per packet



PEPPERMINT

LAVENDER

SWEET FENNEL

SAGE

SUMMER SAVORY

Seeds of Pot, Sweet and Medicinal Herbs

		Per pkt.	Oz.	Lb.
Agrimony. For medicinal purposes.....	<i>Agrimonia officinalis</i>	14000	\$0 25	\$2 00
Angelica, Garden. For flavoring wine and cakes...	<i>Archangelica officinalis</i> ..	14010	05	20
Anise. Seeds aromatic and carminative.....	<i>Pimpinella anisum</i>	14020	05	10
Balm. For culinary purposes.....	<i>Melissa officinalis</i>	14040	10	25
Basil, Sweet. Culinary herb used for flavoring soups, etc.....	<i>Ocimum Basilicum</i>	14050	05	10
Basil, Dwarf or Bush. Culinary herb.....	<i>Ocimum minimum</i>	14060	05	15
Belladonna. Is used for medicine.....	<i>Atropa Belladonna</i>	14070	10	50
Bene. The leaves used for dysentery.....	<i>Sesamum orientale</i>	14080	05	15
Borage. Leaves used as a salad.....	<i>Borago officinalis</i>	240	05	10
Caraway. For sowing. Used in flavoring liquors and bread.....	<i>Carum Carui</i>	14100	05	10
Catnip. Has medicinal qualities.....	<i>Nepeta cataria</i>	14110	10	30
Coriander. Seeds aromatic. For sowing.....	<i>Coriandrum sativum</i>	14130	05	10
Cumin	<i>Cuminum Cyminum</i>	14140	05	10
Dill. For sowing. Seeds used for flavoring vinegar...	<i>Anethum graveolens</i>	14150	05	15
“ Mammoth. Much larger than above.....	<i>Anethum graveolens</i>	14154	05	20
Elecampane. Has tonic and expectorant qualities...	<i>Inula Helenium</i>	14160	05	20
Fennel, Sweet. Seeds aromatic; for flavoring.....	<i>Anethum Feniculum</i>	14170	05	10
“ Florence. In flavor resembling celery.....	<i>Anethum Feniculum</i>	14180	05	10
Foxglove, Purple. Has medicinal qualities.....	<i>Digitalis purpurea</i>	14190	05	15
Henbane. Has medicinal qualities; poisonous.....	<i>Hyoscyamus niger</i>	14220	05	25

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

SEEDS OF POT, SWEET AND MEDICINAL HERBS, continued

		Pkt.	Oz.	Lb.
Horehound. Has medicinal qualities.....	<i>Marrubium vulgare</i>	14230	\$0 05	\$0 20
Hyssop. Has medicinal qualities.....	<i>Hyssopus officinalis</i>	14240	05	20
Lavender. True. For oil and distilled water.....	<i>Lavandula vera</i>	14250	15	60
“ Possessing qualities as above in a lesser degree.....	<i>Lavandula spica</i>	14260	05	25
Marigold, Pot. Single; for medicinal purposes.....	<i>Calendula officinalis</i>	14280	05	15
Marjoram, Sweet. Is used in seasoning.....	<i>Origanum Majorana</i>	14290	05	20
Mint. Curled Mint.....	<i>Mentha crispa</i>	14300	25	
“ Peppermint.....	<i>Mentha piperita</i>	14310	25	
Pennyroyal. Has medicinal qualities.....	<i>Hedeoma pulegioides</i>	14320	15	75
Rosemary. Yields an aromatic oil and water.....	<i>Rosmarinus officinalis</i>	14330	10	40
Rue. Said to have medicinal qualities.....	<i>Ruta graveolens</i>	14340	10	35
Sage, Broad-Leaf. A culinary herb; also used in medicine.....	<i>Salvia officinalis</i>	14360	10	20
“ Red. Used as a culinary herb; also in medicine.....	<i>Salvia Horminum</i>	14370	10	20
“ Purple. Used as a culinary herb; also in medicine.....	<i>Salvia Horminum</i>	14380	10	20
Savory, Summer. Is used as a culinary herb.....	<i>Satureja hortensis</i>	14390	10	20
“ Winter. Is used as a culinary herb.....	<i>Satureja montana</i>	14400	10	25
Tansy. Generally used in bitters.....	<i>Tanacetum vulgare</i>	14410	10	30
Tarragon. True. Does not produce seed. Roots in fall and spring. .35c. each, \$3.50 per doz.	<i>Artemisia Dracunculus</i>	14420		
Thyme, German Winter. Is used as a seasoning.....	<i>Thymus vulgaris</i>	14430	10	25
“ French	<i>Thymus vulgaris</i>	14440	10	40
Wormwood. Has medicinal qualities.....	<i>Artemisia absinthium</i>	14460	10	20

Tobacco Seed

		Oz.	Lb.
Climax. A cross between Burley and Sterling; fine bright variety.....	14610	\$0 30	\$3 00
Connecticut Seed Leaf. The popular sort, used for cigar wrappers.....	14620	25	2 50
Conqueror. Superb bright yellow.....	14622	30	3 00
Gold Finder. A cross between Yellow Oronoka and White Burley.....	14626	30	3 00
Gooch, Long-Leaf, Improved. Fine for sandy soils.....	14628	30	3 00
Havana. Seed gathered for us from the celebrated plantations of the “Vuelto de Abajo.”.....	14630	40	4 00
Hester Improved. Yellow; fine for cigars. Adapted to a greater variety of soils and to a wider range of latitude than most other yellow sorts.....	14634	30	3 00
Honduras. A mahogany variety, producing the very highest quality of Tobacco of this type. A healthy and vigorous grower.....	14640	30	3 00
Hyco. Leaf medium size, very broad, easily cured; a bright yellow. For a light cigarette Tobacco it has no equal.....	14644	30	3 00
Kentucky Yellow. Leaf of large size, handsome shape, excellent quality and of surprisingly fine texture, taking size into consideration.....	14650	30	3 00
Oronoka White-Stem. Plants are large, with long, medium-broad leaves of handsome shape, fine texture and good body.....	14662	30	3 00
“ Yellow. A reliable old yellow variety.....	14664	30	3 00
“ Sweet. Plants of medium size; leaf is long and somewhat narrow, fine-grained and of sweet flavor.....	14668	30	3 00
Pennsylvania Seed Leaf. A first-class standard cigar variety.....	14670	30	3 00
Persian Rose. Fine; may be relied upon to make fine cigars.....	14680	35	3 50
Pryor, Blue. The genuine James River favorite.....	14690	30	3 00
“ Yellow. Preferred by many for brights; succeeds where the other yellow sorts fail.	14700	30	3 00
Safrano. Rich saffron-yellow color; soft silky texture and fine flavor.....	14710	30	3 00
Sterling. The newest and brightest of the yellow type, and the earliest to ripen....	14720	30	3 00
Sumatra. Home-grown; well-known sort; needs no description.....	14724	55	5 50
Tuckahoe. Extra-fine, long leaf; fine for wrappers.....	14730	30	3 00

All 10 cents per packet. Not less than 10 cents' worth sold

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

TOBACCO SEED, continued

		Oz.	Lb.
Turkish. Home-grown. Needs no description.....	14734	\$0 80	\$8 00
“ Lataki. Imported seed.....	14736	60	6 00
Virginia Oak Hill Yellow. Resembles White Burley in color and Oronoka in shape and habit. Unsurpassed in delicacy of fiber.....	14740	30	3 00
Virginia “One-Sucker.” Large, wide, lance-shaped leaf; rather coarse than fine....	14750	30	3 00
White Burley, Improved. Leaf is large and broad, with yellowish white stem and ribs.....	14756	30	3 00
Yellow Mammoth. Large yielder.....	14760	30	3 00

All 10 cents per packet. Not less than 10 cents' worth sold

BIRD SEED, ETC.

Prices of Bird Seed fluctuate considerably throughout the year. The prices now quoted are those ruling as we go to press, and may be higher or lower as the season advances. Bags and transportation charges extra.

		Lb.	100 lbs.
Canary Seed, Plain. Best grade.....		\$0 20	\$15 00
Canary Seed, Mixed. For birds.....		20	15 00
Hemp.....		15	9 00
Sorghum Mixed (Kaffir Corn). For pigeons, etc.....	25 lbs. \$2.50, 50 lbs. \$4.50...		8 00
Lettuce Seed.....		20	15 00
Maw, Blue Poppy.....		20	
Millet, Golden.....		10	7 50
Rape, English.....		15	10 00
“ German.....		10	7 00
Rough Rice.....		10	8 00
Gravel for Cages.....	per qt., 6 cts...		
Cuttle-fish Bone.....		50	
Sunflower Seed for Parrots.....		15	10 00

VEGETABLE PLANTS

We shall have some of the standard sorts at their proper seasons

ESCULENT PLANTS AND ROOTS

	Doz.	100	1,000
Asparagus Roots. Plant either in fall or spring.			
Colossal. Two years old; in bundles of 50.....		\$1 00	\$7 00
Four years old; for forcing.....		2 00	
Giant Argenteuil. Two years old.....		1 00	7 00
Palmetto. Two years old; in bundles of 50.....		1 00	7 00
Columbian Mammoth. Two years old.....		1 00	7 00
Barr's Mammoth. Two years old.....		1 00	7 00
Chive Plants. Plant early in spring.....			per bunch, 25 cts...
Cinnamon Vine Roots (<i>Dioscorea Batatas</i> ; Chinese Yam).....		\$1 00	7 00
Horse-Radish Roots. Cut in pieces. Plant in spring.....	20	75	
“Maliner Kren.” In bundles of 50.....		1 00	7 00
Artichoke Roots, Jerusalem			per qt., 25c...
“ “ Globe. Large, extra-strong roots. <i>See Novelties.</i>		2 50	
Rhubarb Roots. Strong.....			each, 15 cts... 1 50
Tarragon Plants (<i>Estragon</i>).....			each, 35 cts... 3 50

DAHLIA ROOTS

A fine assortment of Mixed Colors from our trial-grounds. See page 10.

JAPAN IRIS

Mixed from a superb collection of large-flowered sorts. See page 125.

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

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ALL CAREFULLY SELECTED
STANDARD WORKS

Kindly Order by Number

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All books sent postpaid on receipt of price



LAWNS LIKE THIS CAN BE PRODUCED BY SOWING THORBURN'S LAWN GRASS SEED

About Lawns and Lawn Grass Seed

FORMATION OF LAWNS FROM SEED

The ground should be thoroughly drained and well prepared. The soil ought not to be too rich, as a rapid growth is not wanted in the grasses of a lawn; but the surface should be as much alike in quality as possible and thoroughly pulverized. *After sowing, the ground should be rolled and cross-rolled in order to press the seed firmly into the soil*, and ten days or so thereafter a light application of Thorburn's Lawn Fertilizer, mixed with an equal quantity of good loam or sand, will serve to stimulate the growth of the young grasses. The best time to apply this is just before a rain, the idea being to have the fertilizer washed into the roots. The proper time to sow grass seed depends, of course, upon the latitude. In the central and eastern states from March 15 to the middle of May is the best time; but in favorable seasons the sowing may be done up to July 1. Seed may also be sown in the fall, from the latter part of August to the end of September. The sowing should be done when the ground is moist, or before an expected rain, and a subsequent rolling is always advisable. As to weeds in newly made lawns, it may not be generally known that many weed seeds actually lie dormant in the ground for six or seven years and will germinate and make their appearance when the soil is turned up. The annual wild grasses, such as crab grass or summer grass, must be pulled up by the roots before they ripen their seed in the fall. This is the only sure way to rid lawns of these pests.

Rolling.—As soon as the frost is out of the ground in the spring, the land should be gone over with a heavy roller. Winter frosts loosen the soil, and rolling is necessary to compress it again. Roll frequently.

Mowing.—All turf-forming grasses are improved, both in vigor of root-growth and in fineness of texture, by frequent mowings. It is impossible to say just how often the grass should be mown, as that depends upon the rate at which it grows. Too close cutting should be guarded against, however, especially during the hot summer months, when the roots require some top-growth to protect them from the burning sun. A good top-growth is also necessary to protect the roots from severe winter frosts.

To Grass a Bank or a Terrace.—For each square rod, take a pound of Terrace Lawn Grass Seed and mix it thoroughly with 6 cubic feet of good, dry garden loam; place in a tub, and add liquid manure, diluted with about two-thirds of water, so as to bring the whole to the consistency of mortar. The slope must be made perfectly smooth, and then well watered, after which the paste should be applied, making it as even and thin as possible.

It is a good plan to sow on good land, in any out-of-the-way place, strips for sod to be used for patching poor parts of the lawn, or for grass borders, etc. The best mixture of seed for this purpose is *Agrostis stolonifera*, *Cynosurus cristatus* and *Poa pratensis*.



BY SOWING THORBURN'S LAWN GRASS SEED MIXTURE FOR SHADY SPOTS, RESULTS LIKE THIS CAN BE OBTAINED

Lawn Grass Seed Mixtures

THE THORBURN LAWN GRASS SEED

Many of the finest lawns in America were produced from this mixture. It is composed exclusively of permanent grasses that make a finer and thicker turf the older they become, and yet give a rich green-sward in three or four weeks from the time of sowing. Sow at the rate of four bushels to the acre (20 pounds to the bushel). One quart of our Lawn Grass Seed will sow a plot 15 x 20 feet, or 300 square feet.

Pt.....	\$0 15	2 qts.....	\$0 45	Pk.....	\$1 40
Qt.....	25	½pk.....	75	Bus.....	5 00

Thorburn's Lawn Grass Seed for the South

A mixture of grasses that stand extremes of heat and drought well, will grow and thrive vigorously under these conditions and are therefore peculiarly adapted for southern lawns.

Qt.....	\$0 35	½pk.....	\$1 00
2 qts.....	60	Pk.....	1 75
Bushel of 20 pounds.....	6 50		

Thorburn's Lawn-Restoring Grass Seed

A mixture of grasses peculiarly suited to take firm hold and grow quickly on hard, worn-out or burned spots. The best time to re-sow such places is very early in the spring; but seed may also be sown with good results in the fall from the first of September to the first of October. Some **Lawn-restoring Grass Seed** should also be sown before every summer rain on thin places.

Qt.....	\$0 35	½pk.....	\$1 00
2 qts.....	60	Pk.....	1 75
Bushel of 20 pounds.....	6 00		

Thorburn's Grass Mixture for Under Trees and Shady Spots on Lawns

A mixture of grasses that thrive in shaded situations, under trees or close to walls.

Qt.....	\$0 40	½pk.....	\$1 25
2 qts.....	70	Pk.....	2 00
Bushel of 22 pounds.....	7 00		

Thorburn's Lawn Grass Mixture for the Seashore

A mixture of fine grasses peculiarly suited to seaside lawns.

Qt.....	\$0 30	½pk.....	\$0 85
2 qts.....	50	Pk.....	1 50
Bushel of 18 pounds.....	5 00		

Terrace Lawn Grass Seed

A mixture of fine, stoloniferous grasses peculiarly adapted to terraces.

Qt.....	\$0 35	½pk.....	\$1 00
2 qts.....	60	Pk.....	1 75
Bushel of 20 pounds.....	6 00		



Permanent Grass Seed for Golf-Links, Tennis-Courts, Polo-Grounds, etc.

We have devoted much attention to the seeding and preservation of golf-links, tennis-courts and polo-grounds, and offer the following mixtures, *which have been used on many of the finest links, etc., in the country*, with very satisfactory results.

Polo-Grounds Mixture

A mixture of fine-leaved and deep-rooting grasses, forming a strong and lasting turf that will stand hard usage. Per bushel of 20 pounds, \$4.

Tennis-Court Mixture

A mixture of extra-fine grasses peculiarly adapted to tennis-courts. This mixture will make a firm, green and lasting turf of the finest texture, that will improve with the trampling it receives.

Qt.....	\$0 35	1/2 pk.....	\$1 00
2 qts.....	60	Pk.....	1 75
Bushel of 20 pounds.....	6 00		

Fair-Green Mixture

For the grounds in general. Per bushel of 20 pounds, \$4.

Putting-Green Mixture

Our own special formula as furnished all the leading golf clubs in America. A mixture of extra-fine *highest-grade* grasses, that will make a close, firm, green and lasting turf, which will improve with trampling.

Qt.....	\$0 40	1/2 pk.....	\$1 25
2 qts.....	70	Pk.....	2 00
Bushel of 24 pounds.....	7 00		

Grass Mixture for Railroad Banks, etc.

A mixture of grasses with long, interlacing, matting roots that will bind steep embankments, gravelly or sandy slopes, etc., preventing washouts by rainstorms and covering with permanently green turf.

Qt.....	\$0 30	1/2 pk.....	\$0 80
2 qts.....	50	Pk.....	1 25
Bushel of 18 pounds.....	4 50		

Grass Seed Mixtures for Meadows and Pastures

It is a well-ascertained fact that a thicker and more prolonged growth is produced by a mixture of many sorts of grasses than by only one or two. For every different kind and condition of soil there are grasses that are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some mature so early and others so late that from the beginning of spring until winter sets in there is no time when one species or another is not at its best. Grass seed may be sown either early in spring or in fall from the first of September to the middle of October in this latitude.

For about a hundred years our house has made a specialty of grasses. We were probably the first to introduce to this country, for commercial distribution, the many valuable natural and cultivated foreign species that now take such an important part in our agricultural economy. The formation of permanent pastures and meadows has, for many years, been a subject of careful study with us, and the following formulæ for seeding grass-lands have received universal recognition. *The quantities given are the minimum, and may often be increased to advantage.*

MEADOW MIXTURES FOR ONE ACRE

No. 1. On Good Land, neither Too Dry nor Too Wet.

- 6 lbs. Fancy Red-Top.
- ½ " Perennial Sweet Vernal.
- 2 " Tall Meadow Oat Grass.
- 2 " Hard Fescue.
- 2 " Sheep's Fescue.
- 10 " Perennial Rye Grass.
- 15 " Timothy.
- 2 " Red Clover.
- ½ " Alsike Clover.

40 lbs. **\$4 per bushel of 20 lbs.**
Sow 2 bushels to the acre

No. 2. On High and Dry Land.

- 4 lbs. Fancy Red-Top.
- 3 " Tall Meadow Oat Grass.
- 1 " Meadow Brome Grass.
- 3 " Crested Dog's-tail.
- 2 " Orchard Grass.
- 2 " Hard Fescue.
- 6 " Sheep's Fescue.
- 1 " Meadow Soft Grass.
- 12 " Timothy.
- 3 " Canada Blue Grass.
- 2 " Red Clover.
- 1 " Kentucky Blue Grass.

40 lbs. **\$4.50 per bushel of 20 lbs.**
Sow 2 bushels to the acre

No. 3. On Wet Late Land.

- 12 lbs. Red-Top.
- 6 " Orchard Grass.
- 1 " Tall Meadow Oat Grass.
- 3 " Meadow Fescue.
- ½ " Tall Fescue.
- 1 " Meadow Soft Grass.
- 10 " Perennial Rye Grass.
- 5 " Timothy.
- 1 " Red Clover.
- ½ " Alsike Clover.

40 lbs. **\$4 per bushel of 20 lbs.**
Sow 2 bushels to the acre

PASTURE MIXTURES FOR ONE ACRE

No. 4. On Good Land, neither Too Dry nor Too Wet.

- 2 lbs. Tall Meadow Oat Grass.
- 6 " Red-Top.
- 7 " Orchard Grass.
- 4 " Sheep's Fescue.
- 2 " Hard Fescue.
- 1 " Meadow Soft grass.
- 9 " Perennial Rye Grass.
- 1 " Meadow Foxtail.
- 4 " Kentucky Blue Grass.
- 2 " Timothy.
- 2 " Red Clover.

40 lbs. **\$4.25 per bushel of 20 lbs.**
Sow 2 bushels to the acre

No. 5. On Dry Land.

- 2 lbs. Fancy Red-Top.
- 2½ " Tall Meadow Oat Grass.
- 1 " Meadow Brome Grass.
- 5 " Orchard Grass.
- 2 " Hard Fescue.
- 5 " Sheep's Fescue.
- 7 " Timothy.
- 10 " Perennial Rye Grass.
- 1½ " Red Clover.
- 4 " Canada Blue Grass.

40 lbs. **\$4 per bushel of 20 lbs.**
Sow 2 bushels to the acre

No. 6. On Wet Land.

- 8 lbs. Red-Top.
- 8 " Orchard Grass.
- 2 " Meadow Fescue.
- 1 " Tall Fescue.
- 3 " Meadow Soft Grass.
- 10 " Perennial Rye Grass.
- 1 " Meadow Foxtail.
- 2 " Timothy.
- 1 " Rough-stalked Meadow Grass.
- 3 " Kentucky Blue Grass.
- 1 " Alsike Clover.

40 lbs. **\$4.25 per bushel of 20 lbs.**
Sow 2 bushels to the acre

The various grasses used in the above mixtures are fully described on the following pages.

We are always glad to make up Special Mixtures, and are pleased to answer inquiries as to the best grasses for different purposes and for sowing on various soils under varying climatic conditions.

Grass Seeds

We desire to call particular attention to the fact that Grass Seeds are sold in the trade by sample, and each sort is divided into three or four grades of quality, according to purity, germination and weight. The price of the best grade is often double that of the ordinary. The Grass Seeds here offered by us are in every case the VERY HIGHEST GRADE.

Not less than one pound of any one sort sold

Prices subject to market fluctuations during the season. The weight per bushel is average actual weight

AGROSTIS CANINA (*Rhode Island Bent Grass*).

Resembles Red-Top (*A. vulgaris*, described below), but is of dwarfer habit, with shorter and narrower leaves. It makes a beautiful, close, fine turf, and is one of the very best grasses for lawns in mixture with other sorts. It adapts itself to almost any soil, rich and moist, or dry, sandy and sterile. 60 lbs. of seed to the acre is recommended for lawns. (16 lbs. to the bushel.)

Lb.....\$0 35	25 lbs.....\$7 75
10 lbs.....3 25	100 lbs.....30 00

AGROSTIS STOLONIFERA, TRUE (*Creeping Bent, or South German Fiorin*).

The only true *Creeping Bent Grass*. The distinctive feature of this species is, as the name implies, its compact, creeping, rooting stems. It is of rapid growth and spreading habit, and the stoloniferous roots which it sends down into the soil form a strong, enduring turf that is positively improved by constant trampling. The other varieties of *Agrostis* are distinguished from this sort by their flattened, parallel surface roots. Being of fine texture, it is most valuable for lawns and putting-greens. If sown alone, 60 lbs. to the acre should be used. (18 lbs. to the bushel.)

Lb.....\$0 50	25 lbs.....\$10 25
10 lbs.....4 50	100 lbs.....40 00

AGROSTIS VULGARIS (*Red-Top; Herd's Grass*).

A very hardy, native perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to dry situations, and stands our hot climate admirably. It is, perhaps, the most permanent grass we have, and it enters largely into the composition of our best natural pastures. It remains green for the greater part of the year, and its long, trailing stems form a very close, matting turf that is not affected by trampling. The seed, as usually sold, weighs 15 to 18 lbs. to the bushel, in its natural condition. Sow 4 bushels to the acre.

Lb.....\$0 25	25 lbs.....\$5 25
10 lbs.....2 25	100 lbs.....20 00

RED-TOP GRASS, FANCY HEAVY.

Absolutely clean and free from chaff. About 36 lbs. to the acre. (36 lbs. to the bushel.)

Lb.....\$0 50	25 lbs.....\$10 25
10 lbs.....4 50	100 lbs.....40 00

AIRA CÆSPITOSA (*Hassock Grass*).

A coarse grass, preferring stiff and marshy bottoms and thriving in moist and shady woodlands. 30 lbs. to the acre. (18 lbs. to the bushel.)

Lb.....\$0 25	25 lbs.....\$5 25
10 lbs.....2 25	100 lbs.....20 00

AIRA FLEXUOSA (*Wood Hair Grass*).

Delights in high and rocky hills; it is of little agricultural value except for sheep pasture. 30 lbs. to the acre.

Lb.....\$0 25	25 lbs.....\$5 25
10 lbs.....2 25	100 lbs.....20 00

ALOPECURUS PRATENSIS (*Meadow Foxtail*).

One of the best permanent pasture grasses for rich, moist soil. Its chief characteristics are its earliness and its faculty of standing high summer heats without burning. It prefers moist, low grounds, but it accepts drier situations, and makes an earlier spring verdure than any other variety. Sow only in connection with other grasses, 3 to 4 lbs. to the acre; if sown alone, 25 lbs. to the acre.

Lb.....\$0 40	25 lbs.....\$7 75
10 lbs.....3 75	100 lbs.....30 00

AMMOPHILA ARUNDINACEA (*Beach Grass*).

Valuable on the sandy seashore, canal and railway banks, etc. Its strong, creeping, matting roots bind the drifting sand into natural embankments against the action of winds and waves. This grass is usually propagated by transplanting in the fall. Where it is necessary to use seed, it should be sown in spring, and ground covered with brush to hold the seed in place until it has taken firm hold. Lb. 75 cts.

ANTHOXANTHUM ODORATUM (*True Perennial Sweet Vernal Grass*).

For a mixture with pasture grasses, it is valuable on account of its vernal growth, and also for continuing to throw up root foliage until late in the autumn. For meadows, its chief merit is the fragrant odor which the leaves emit when partially dried, thus sweetening hay. It is a vegetable condiment, rather than a grass of much nutritive value. From 2 to 3 lbs. to the acre, when mixed with other grasses.

Lb.....\$0 55	10 lbs.....\$5 00
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ANTHOXANTHUM ODORATUM PUELLI

(*Annual Sweet Vernal Grass*). Much smaller than the perennial, and of much less value, lasting one year only. 20 to 25 lbs. to the acre.

Lb.....\$0 28	25 lbs.....\$6 50
10 lbs.....2 70	100 lbs.....25 00

AVENA ELATIOR (*Tall Meadow Oat Grass*).

Most valuable for pasture on account of its early and luxuriant growth; it produces an abundant supply of foliage, which is relished by cattle early and late. For hay it may be cut twice a year, and for green soiling it may be cut four or five times in favorable seasons. It is very hardy, and withstands extreme drought and heat and cold. It is very valuable for our southern states, where it is extensively cultivated for winter grazing and for hay. 50 lbs. to the acre.

Lb.....\$0 26	25 lbs.....\$5 75
10 lbs.....2 40	100 lbs.....22 00

AVENA FLAVESCENS (*True Golden Oat Grass*).

Will not thrive well when sown alone, but with other species it becomes desirable for dry meadows and pastures. About 25 lbs. to the acre. Lb., 90 cts.

GRASS SEEDS, continued

BEACH GRASS. See *Ammophila arundinacea*.

BERMUDA GRASS (*Cynodon dactylon*). A most valuable grass for our southern states, both for pasture and lawns. It is of dwarf habit, with long, creeping stems rooting at the joints and covering the ground with a matting of fine turf, which no amount of trampling will impair. It is also useful for binding drifting sand and for steep embankments subject to wash. When established it is difficult to eradicate, and is therefore unsuitable for temporary pastures. It requires heat and moisture to start it. As it cannot endure frost, it is of no value north of Virginia. It thrives in the poorest and sandiest soil, and resists extreme drought and intense tropical heat. It should be sown at the rate of 15 lbs. to the acre.

Lb.....	\$0 50	25 lbs.....	\$10 25
10 lbs.....	4 50	100 lbs.....	40 00

BLUE GRASS, Canada. See *Poa compressa*.

“ “ **English.** See *Festuca pratensis*.

“ “ **Kentucky.** See *Poa pratensis*.

BROMUS INERMIS (*Awnless or Smooth Brome Grass*). An erect perennial, 3 to 5 feet high; native of Hungary. The nutritive quality of its hay, however, is generally inferior to that of our standard native sorts, so that we should recommend it only for dry, arid soils where the better and more delicate grasses would not grow. It is strongly stoloniferous, its creeping rootstocks spreading rapidly under ground and giving out new plants. It is on this account undesirable for temporary meadows, being difficult to eradicate when once established. Sow 35 to 40 lbs. to the acre.

Lb.....	\$0 25	25 lbs.....	\$5 25
10 lbs.....	2 35	100 lbs.....	20 00

BROMUS PRATENSIS (*Meadow Brome Grass*). A hardy perennial, 2 to 3½ feet high, much used in mixtures for meadows, both for mowing and pasture. It is not recommended to be sown alone except in poor soil, on dry, stony hillsides, where better grasses will not grow. It withstands extreme cold and drought, and, if cut before flowering, it makes a good hay. If left to grow older, it becomes very tough. 30 lbs. to the acre.

Lb.....	\$0 25	25 lbs.....	\$4 50
10 lbs.....	2 00	100 lbs.....	17 00

CALAMAGROSTIS ARENARIA. See *Ammophila arundinacea*.

CYNOSURUS CRISTATUS (*Crested Dog's-tail*).

A stoloniferous perennial, forming a smooth, compact and lasting turf. It thrives best on rich, moist land, but it can accommodate itself to almost any soil. Its roots penetrate deeply into the ground, which enables it to stand severe droughts. It makes a good bottom grass and is therefore valuable in mixtures for lawns and putting-greens. It thrives well in the shade. The color is the same as that of the Kentucky Blue Grass, and it is, therefore, excellent in mixture with that sort. If sown alone, 30 pounds to the acre is none too much, but it is recommended only in mixture with other sorts.

Lb.....	\$0 35	25 lbs.....	\$7 25
10 lbs.....	3 00	100 lbs.....	28 00

DACTYLIS GLOMERATA (*Orchard Grass; Cock's-foot*). One of the grasses most employed in permanent meadows, either for pasture or for mowing. It is very hardy and succeeds well anywhere

DACTYLIS GLOMERATA, continued

in the United States. It is very productive and makes excellent hay. If cut before it flowers it is less hard and the pith of the stem is soft and sweet. It blossoms about the same time as Red Clover, and is therefore desirable in mixture with that plant. Stock of all kinds are very fond of it, either dry or green, and it endures constant cropping better than any other grass. After being mown, it grows up quickly and yields a heavier aftermath than any other variety. It can stand considerable shade, and is recommended as a pasture grass for woodlands. Its tendency to grow in tussocks is diminished if it is sown with other grasses, and also by heavy rolling in the spring; but it is quite unsuitable for lawns. (14 lbs. to bushel.) Sow 3 to 4 bushels to the acre.

Lb.....	\$0 25	25 lbs.....	\$5 25
10 lbs.....	2 25	100 lbs.....	20 00

DOG'S-TAIL, CRESTED. See *Cynosurus cristatus*.

ELYMUS ARENARIUS (*Lime Grass*). Valuable on the sandy seashore, canal and railroad banks, etc. It tends, with its tough, wide-spreading and thickly matting roots, to form natural and permanent embankments, thus serving to prevent the drifting of the sand and to protect an exposed shore from wind and waves. It is of no agricultural value. Lb. 80 cts.

FESTUCA DURIUSCULA (*Hard Fescue*). This is a variety of *F. ovina*, dwarfer and less vigorous in growth, but possessing all the other valuable characteristics of that variety. It is emphatically a grass for dry lands, doing well on sandy and shallow silicious soils. It is exceedingly hardy and withstands extremes of heat and cold, and also long periods of drought. For permanent pastures on poor lands, it is especially valuable; but it may also be used in meadow mixtures for well-manured clayey lands. In the latter case it has been known to yield a good crop of excellent hay and a very large aftermath. On account of its stooling habit, it is not recommended for lawns. 30 lbs. to the acre.

Lb.....	\$0 26	25 lbs.....	\$5 75
10 lbs.....	2 40	100 lbs.....	22 00

FESTUCA ELATIOR (*Tall Fescue*). This grass succeeds best in moist, alluvial and strong, clayey soils. It is very productive and of long duration, and is especially valuable for permanent pasture. Stock of all kinds eat it readily, and its nutritive value is very great. On rich, moist lands it yields a large amount of hay of excellent quality. It is not suitable for lawns. 40 lbs. to the acre.

Lb.....	\$0 35	25 lbs.....	\$7 25
10 lbs.....	3 00	100 lbs.....	28 00

FESTUCA HETEROPHYLLA (*Various-leaved Fescue*). A very early, hardy perennial, 2 to 3 feet high, thriving best in cold, moist soils that are rich in humus and potash. In such soils it yields heavily, and is valuable in grass mixtures for permanent meadows either for mowing or grazing. Its great production of root-leaves makes it an excellent bottom grass. Its nutritive value is very high. It grows very well in the shade and is highly recommended for shaded lawns in mixture with other grasses. 40 lbs. to the acre.

Lb.....	\$0 35	25 lbs.....	\$7 75
10 lbs.....	3 25	100 lbs.....	30 00

GRASS SEEDS, continued

FESTUCA OVINA (*Sheep's Fescue*). A native both of America and Europe. In our northwestern states there are many varieties of it, some of which grow 2 to 3 feet high. It prefers dry uplands and thrives in poor, shallow, gravelly soils, where other grasses would fail. It is very hardy, resisting extreme heat and cold. Though of dwarf growth, it grows thickly, yielding a large amount of nutritious herbage. In grass mixtures, for pastures on high and dry lands, it is especially valuable. Though a "bunch grass," it may be included in lawn mixtures as well as in fair-green mixtures on account of its fine foliage and dwarf dense growth. 35 lbs. to the acre.

Lb.....\$0 35	25 lbs.....\$7 25
10 lbs.....3 00	100 lbs.....28 00

FESTUCA PRATENSIS (*Meadow Fescue*, or *English Blue Grass*). One of the grasses most used in permanent or temporary meadows for mowing or for pasture. It succeeds best in cold, moist, light soils, in well-drained meadows and in low valleys rich in organic matter. It should not be grown at all on warm, dry land. It does not reach its full development till the second or third year, when it far exceeds most other sorts in the quantity of its produce and nutritive matter. After being mown, it grows again very quickly. The forage, either green or dried, is very nourishing and much relished by cattle, especially when cut young. 40 lbs. to the acre.

Lb.....\$0 25	25 lbs.....\$4 75
10 lbs.....2 00	100 lbs.....18 00

FESTUCA RUBRA (*Red or Creeping Fescue*). **True.** A creeping-rooted species forming a close and lasting turf, and especially adapted for dry, sandy soils. It resists extreme drought, and thrives on very inferior soils, gravelly banks and exposed hillsides. It is also valuable for shady places in lawns, as well as for golf-courses and for binding shifting sands on the seashore. (24 lbs. to bushel.) 30 lbs. to the acre.

Lb.....\$0 35	25 lbs.....\$7 75
10 lbs.....3 25	100 lbs.....30 00

FESTUCA TENUIFOLIA (*Slender Fescue*). This is really a variety of *Festuca ovina*, with much finer leaves. It will grow on very dry and inferior soils, and its dwarf habit of growth and fineness of leaf render it not unsuitable for dry slopes on lawns and golf-links. It stands grazing well, is very hardy, and lasts long, and may therefore be recommended for permanent pasture on high and dry situations. 30 lbs. to the acre. (22 lbs. to bushel.)

Lb.....\$0 50	25 lbs.....\$10 25
10 lbs.....4 50	100 lbs.....40 00

FOXTAIL. See *Alopecurus pratensis*.

HOLCUS LANATUS (*Meadow Soft Grass; Velvet Grass*). This grass is of fair agricultural value and it will thrive on poor soil, where better sorts will not grow. It is a perennial, very hardy and grows rapidly. As a forage plant its nutritive value is small, yet it makes a hay that is eaten readily by cattle, especially when it is sprinkled with salt. 35 lbs. to the acre.

Lb.....\$0 20	25 lbs.....\$4 00
10 lbs.....1 75	100 lbs.....15 00

HUNGARIAN GRASS. See *Panicum germanicum*.

JOHNSON GRASS. See *Sorghum Halepense*, p. 61.

LOLIUM PERENNE (*Pacey's Perennial Rye Grass*). Although called a perennial, it seldom lasts more than three or four years. It is the most valuable grass of Great Britain, both for pasture and for meadows, occupying there the same relative position of importance that Timothy holds here. The cool, moist climate of England seems to suit it best, yet it succeeds very well in our middle and eastern states, and adapts itself to a great diversity of soils. The seed is large and heavy, and produces a strong, verdant growth in four or five weeks after sowing. It cures into hay having a sweet flavor, and is much relished by cattle and horses. Its nutritive value, especially in mixture with Red Clover, is very great. It is excellent in mixtures for quick effects in lawns or golf-links. 60 lbs. to the acre. (28 lbs. to bushel.)

Lb.....\$0 13	25 lbs.....\$2 25
10 lbs.....1 00	100 lbs.....8 00

LOLIUM PERENNE, Fancy. A carefully selected, short-seeded, dwarf-growing strain, suitable for lawns. Makes a fine green turf in three weeks.

Lb.....\$0 15	25 lbs.....\$2 75
10 lbs.....1 25	100 lbs.....10 00

LOLIUM ITALICUM (*Italian Rye Grass*). Though lasting two or three years, under very favorable circumstances, it is practically an annual. Like the Perennial Rye Grass, it is a remarkably rapid grower, and has, in addition, the advantage of standing extremes of temperature, remaining green throughout the winter, and retaining its freshness in the hottest summer months and during prolonged drought. When sown very thickly or in mixture with other sorts, it makes a good, dense turf, and it has been used with much satisfaction on lawns as far south as Jacksonville. On rich, moist soils, it is exceedingly productive and may be cut in four or five weeks after sowing, and every six weeks after that until frost. For temporary meadows, on good soils, it is a most valuable grass. 50 lbs. to the acre. (22 lbs. to bushel.)

Lb.....\$0 15	25 lbs.....\$3 25
10 lbs.....1 35	100 lbs.....12 00

OAT GRASS. See *Avena elatior*.

ORCHARD GRASS. See *Dactylis glomerata*.

PANICUM GERMANICUM (*Hungarian Grass*). One of the most valuable annual soiling plants. It grows on any ordinary soil; withstands drought well. As it is of very rapid growth, being ready for cutting within sixty days, it may be sown in this latitude as late as the middle of July for hay, or in the middle of August for green fodder. It should be cut just before blooming, when it makes a tender and nutritious hay. Sow 1 to 1½ bushels to the acre. (50 lbs. to bushel.)

Lb.....\$0 12	25 lbs.....\$2 25
10 lbs.....1 00	100 lbs.....8 00

PASPALUM DILATATUM (*Australian Water Grass*). A somewhat leafy perennial, growing in clumps. Valuable as a pasture grass for the South, endures summer heat and drought very well and is especially desirable for furnishing late summer and autumn feed, during which period it makes its principal growth. Sow lightly on the surface in warm weather. The seed should barely be covered with soil. Sow from 8 to 10 lbs. to the acre, with 5 lbs. of Hungarian Grass as a temporary protection

Lb.....\$0 50	25 lbs.....\$10 25
10 lbs.....4 50	100 lbs.....40 00

GRASS SEEDS, continued

PHALARIS ARUNDINACEA (*Reed Canary Grass*).

A hardy perennial, preferring stiff, wet land but also doing fairly well in dry, sandy soils. It grows well in ditches and by riversides, where its strong, creeping root-stocks render it valuable for binding the banks. Its seed also affords food for trout and wild fowl. When young, it is valuable for cutting for green forage for cattle, but in its more mature state, it becomes too coarse for this purpose. (30 lbs. to bushel.) Lb. 75 cts.

PHLEUM PRATENSE (*Timothy*).

A native of Europe, but long ago naturalized in America, where it ranks as by far the most important of hay grasses. On moist, loamy or clayey soil it produces a larger hay crop than any other grass. It is not so well suited for light, sandy soils, though preferring a moist, temperate climate, it withstands drought and extreme heat and cold. Its hay is very nourishing and can be preserved for a long time. It should be cut when flowering, as if left later the hay becomes hard and coarse. It is often sown with Red-Top Grass and Red Clover, and the nutritive value of the hay is greatly increased by this mixture. If sown alone, at least 25 lbs. to the acre should be used; with Red-Top Grass and Red Clover, 15 lbs. of Timothy, 12 lbs. of Red-Top Grass (natural) and 3 lbs. of Red Clover; or with Red Clover only, 20 lbs. of Timothy and 5 lbs. of Clover. The seed weighs 45 lbs. to the bushel. Several grades are always on the market, differing in purity and vitality, but the seed we offer is of the very highest quality and extra clean. It is always most economical to buy the highest grade, known as "Fancy."

Lb.....\$0 12	25 lbs.....\$2 65
10 lbs.....1 10	100 lbs.....10 00

POA AQUATICA (*Water Meadow Grass*). This is an excellent pasture grass for very wet situations. It also does well in bogs and marshes. 20 lbs. to the acre. Lb. 90 cts.**POA COMPRESSA** (*Canada Blue Grass*). Highest grade. A very hardy perennial grass, with creeping root-stocks. It grows on the poorest and driest soils, sandy, gravelly or clayey, standing extremes of wetness or drought, and keeping green until the severe frosts of winter. It is especially valuable for dairy pastures, cows feeding on it yielding the richest milk and finest butter. It is distinguished from the Kentucky Blue Grass by its flattened, wiry stems and by its decidedly bluer color. 60 lbs. to the acre.

Lb.....\$0 18	25 lbs.....\$3 75
10 lbs.....1 60	100 lbs.....14 00

POA NEMORALIS (*Wood Meadow Grass*). The chief characteristic of this grass is its special fitness for shaded positions in lawns and woodland parks, where other grasses will not grow. It is very permanent and hardy, resisting extremes of heat and cold, and is one of the first grasses to show a rich green growth in the spring. The creeping roots are formed under ground, and make a good turf. Excellent for pasture. 30 lbs. to the acre. (19 lbs. to bushel.)

Lb.....\$0 60	25 lbs.....\$13 00
10 lbs.....5 50	100 lbs.....50 00

POA PRATENSIS (*Kentucky Blue Grass; June Grass*). Highest grade. One of the most widely distributed and valuable native grasses. It combines more points of excellence than any other sort. It is a true perennial, lasting indefinitely and improving every year. Its densely creeping root-stocks, spreading habit and smooth, even growth, fine texture, and rich green color render it one of the very best grasses for lawns. It forms a close turf, starts very early in the spring, and lasts till frost. It succeeds in almost any soil—dry, rocky, sandy or gravelly—and stands long-continued dry weather and hot suns. It takes, however, two or three years to become well established, and should, therefore, be sown only in connection with other grasses. If the soil is especially suitable it will eventually crowd these out, and make the finest possible sward. It is one of our most valuable pasture grasses, very productive and nutritious. 50 lbs. to the acre.

Lb.....\$0 25	25 lbs.....\$4 75
10 lbs.....2 00	100 lbs.....18 00

POA TRIVIALIS (*Rough-stalked Meadow Grass*).

A spreading, thickly matted, stoloniferous-rooted species, forming a fine turf, and adapted for shaded portions of lawns. It thrives on rich, moist soil and in sheltered situations, but not on dry land. Valuable for forming bottom grass in mixtures for permanent pastures. 20 lbs. to the acre. (26 lbs. to bushel.)

Lb.....\$0 55	25 lbs.....\$11 50
10 lbs.....5 00	100 lbs.....45 00

RED-TOP. See *Agrostis vulgaris*.**RYE GRASS.** See *Lolium italicum* and *Lolium perenne*.**RHODE ISLAND BENT GRASS.** See *Agrostis canina*.**TIMOTHY.** See *Phleum pratense*.**KENTUCKY BLUE GRASS.** See *Poa pratensis*.

FOR CLOVERS, SEE NEXT PAGE

For Special Meadow and Pasture Mixtures, see page 52; and for Cereals and Field Corn, and Forage, Economical and Miscellaneous Seeds, see pages 58 to 61. Fertilizers are quoted on page 130.

The books listed on pages 48 and 57 will be found invaluable helps to the Home or Commercial Gardener, the Farmer, Dairyman and the Stockman.

FARMOGERM. Nitro-gathering bacteria for Cowpeas, Soja Beans, Vetches, etc. Acre bottle, \$2; 5-acre bottle, \$9. See, also, page 61.

Clovers

We quote present prices on Clovers as near as it is possible to offer them at as we go to press. We shall be very glad to quote prevailing prices on all of them from time to time, and we solicit inquiries. It is understood, of course, that all are subject to market fluctuations.

ALFALFA, or LUCERNE (*Medicago sativa*).

Requires deep, rich, well-drained soil. The tap-root descends often to a depth of 10 to 15 feet in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It may also be sown as late as August and up to the middle of September in more southerly localities. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. American seed.

Lb.....\$0 26	25 lbs.....\$5 75
10 lbs.....2 40	100 lbs.....22 00

ALSIKE, or HYBRID CLOVER (*Trifolium hybridum*).

A perennial, 1 to 3 feet high, succeeding best in cold, stiff soils, and in marshy lands which are too wet for other species. It grows well in the far North and in high altitudes. A good honey plant for bees. 15 lbs. to the acre.

Lb.....\$0 30	25 lbs.....\$6 50
10 lbs.....2 75	100 lbs.....25 00

BERSEEM, or EGYPTIAN CLOVER (*Trifolium alexandrinum*).

Suitable for a rotating crop on irrigated lands. It is very succulent and much relished by stock. Its value as a soil-renovator is very high. Lb. 50 cts.

BOKHARA CLOVER (*Melilotus alba*).

Valuable sort for soiling and for ensilage and bees. Grows from 3 to 5 feet high; sown in rich soil may be cut three times; lasts for years if cut before flowering. 15 lbs. to the acre.

Lb.....\$0 35	25 lbs.....\$7 75
10 lbs.....3 25	100 lbs.....30 00

MAMMOTH RED or PEA-VINE CLOVER (*English Cow Grass*).

Grows larger and lasts longer than the common Red Clover; valuable for plowing under. 10 lbs. to the acre. Market price.

RED CLOVER, MEDIUM (*Trifolium pratense*).

One of the most valuable farm crops of the eastern states for pasture, hay, or for turning under for green manure. Sow in the spring, 15 lbs. to the acre. Market price.

BURR CLOVER (*Medicago maculata*). An annual, making good winter grazing on rich soils. Excellent for the South on Bermuda grass land, taking the place of the latter when killed by frost. Sow in August, 20 lbs. to the acre.

Lb.....\$0 25	25 lbs.....\$4 75
10 lbs.....2 00	100 lbs.....18 00

KIDNEY VETCH, or SAND CLOVER (*Anthyllis vulneraria*).

A deep-rooted, herbaceous hardy perennial plant, valuable for dry, sandy and inferior soils, upon which Red Clover will not thrive. Eaten with avidity by sheep, cattle and horses; useful in mixture for dry soils. Sow 20 lbs. to the acre.

Lb.....\$0 40	25 lbs.....\$9 00
10 lbs.....3 75	100 lbs.....35 00

CRIMSON or SCARLET CLOVER (*Trifolium incarnatum*).

Erect annual, 1 to 2 feet high, with bright scarlet flowers. A native of southern Europe; largely grown in our southern states for improving the soil by turning under. Will not endure severe frost, and cannot be depended upon to stand the winter north of New Jersey. It is a valuable crop for pasturage or green manure. For hay cut when in full bloom. Sow 20 lbs. to the acre.

Lb.....\$0 20	25 lbs.....\$4 00
10 lbs.....1 75	100 lbs.....15 00

WHITE CLOVER (*Trifolium repens*).

White Clover is of dwarf habit, spreads rapidly and is very hardy. It is valuable in permanent pastures, being sweet and nutritious. Sow in spring, 8 to 10 lbs. to the acre.

Lb.....\$0 45	25 lbs.....\$10 25
10 lbs.....4 20	100 lbs.....40 00

N. B.—All prices are subject to market fluctuations.

Books Invaluable to the Farmer, Dairyman, Stockman, etc.

KINDLY ORDER BY NUMBER. ALL SENT BY MAIL, POSTPAID.

- | | |
|--|--------|
| No. 3. Alfalfa. Its growth, uses and feeding value. By F. D. Coburn. 164 pp. Cloth. Illustrated..... | \$0 50 |
| No. 29. Clovers and How to Grow Them. By Thomas Shaw. Cloth. Illustrated. 337 pp..... | 1 00 |
| No. 61. Farm Grasses of the United States. The seeding and management of meadows, pastures, etc. By Prof. W. J. Spillman. Cloth. Illustrated. 250 pages..... | 1 00 |
| No. 67. Farm and Garden Rule Book. A manual of ready rules and references. Indispensable to every farmer and gardener, fruit-grower, dairyman, etc. By Prof. L. H. Bailey. Cloth. 587 pages..... | 2 00 |
| No. 71. Farm Management. Accounts, business, marketing, comparative value of products, etc. By F. W. Card. Crash-cloth. Illustrated..... | 2 20 |
| No. 283. Soiling Crops and the Silo. Cultivating and Harvesting—How to build, fill, and use a Silo. By Shaw. Cloth. Illustrated. 364 pages..... | 1 50 |

For other practical and useful publications see extensive list on page 48.

Cereals

Customers will please add cost of bags when ordering, as follows: $\frac{1}{2}$ bushel 12 cents; 1 bushel, 16 cents; 2 bushels, 23 cents.

The prices of some varieties may change as the season advances. Customers pay transportation charges.

FIELD CORN (56 lbs. to the bushel). All grown especially for seed

Ears of most sorts from 3 to 5 cts. each

Flint Varieties

	Qt.	Pk.	Bus.
Angel of Midnight. Yellow flint; 8-rowed; good sized.....	\$0 20	\$0 85	\$2 50
Canada Early Yellow. Very early; yellow flint... Ears 5 cts. each, \$3.50 per 100..	20	85	2 50
Compton's Early Flint. Small grain; yellow; 12-rowed; large; white cob.....	20	85	2 50
King Philip. Early; reddish yellow flint.....	20	85	2 50
Large White Flint. Long, slim ears; pure white grain.....	20	85	2 50
Large Yellow Flint. Deep yellow grains; medium early.....	20	85	2 50
Longfellow (Yellow Flint). Small cob and large grain.....	20	90	2 50
Sanford or Long White Flint. Large; 8-rowed.....	20	85	2 50

Dent Varieties

Bloody Butcher. Red grain; great yielder; one of the very best; valuable for ensilage or field purposes.....	20	80	2 25
Champion White Pearl. Large grain; 14 to 18 rows; ripens in about 95 days.....	20	80	2 25
Chester County Mammoth. Medium-sized, yellow grains; very large ears; late.....	20	80	2 25
Golden Beauty. Large grain; small cob; long ears; medium early.....	20	80	2 25
Golden Dent Early. Bright yellow grain.....	20	80	2 25
Hickory King. Large grain; small cob; white dent; ripens in about 120 days.....	20	85	2 50
Iowa Gold Mine. Dent; deep grain; ripens in about 90 days.....	15	80	2 25
Iowa Silver Mine. Large grain; dent; white cob; ripens in about 100 days.....	15	80	2 25
King of the Earliest Yellow Dent. Ears medium size, fine quality.....	20	85	2 50
Learning Early. Large; deep grains; dull yellow; early and productive.....	20	80	2 25
Legal Tender. Large; comparatively early.....	20	85	2 50
Mastodon. Early; strong-growing; large ears and grains; very productive.....	20	80	2 25
Pride of the North. Very large ears; deep grains; earliest of all.....	20	80	2 25
Very Early White Dent.	20	85	2 50
White Cap Yellow Dent. Good-sized ears; early.....	20	80	2 25
Wisconsin Yellow Dent.	20	80	2 25

Fodder and Ensilage Varieties

Cuban Giant Ensilage. Very prolific.....	20	80	2 25
Red-Cob Ensilage. Abundant herbage; tall growth; fine.....	20	80	2 25
THOROUGHbred WHITE FLINT. Spreading habit; broad blade and small stalk; valuable for fodder, ensilage and grain. Leave only one kernel to grow in a hill....	20	95	3 00
Virginia Horse Tooth. For fodder and ensilage.....	20	85	2 50
White-Cob Ensilage.	20	80	2 00

Pop Corn (Shelled)

	Qt.	$\frac{1}{2}$ Pk.	Pk.
Golden Queen. Red Beauty. Each.....	\$0 25	\$0 80	\$1 25
Silver Lace. White Pearl. Each.....	25	80	1 25
White Rice.	25	80	1 25

MISCELLANEOUS CEREALS All subject to change in price.

BARLEY. (48 lbs. to bus.) 2 bushels to the acre.	Bus.	
Champion. Beardless.....	\$2 50	
BUCKWHEAT. (48 lbs. to bus.) 2 bushels to the acre.		
American Silver Hull. Early.....	About 2 25	
Japan. Productive; large grains....	About 2 25	
MILLET. (50 lbs. to the bus.)	Lb. 100 lbs.	
Golden, or German. Extra-large seed-heads. $1\frac{1}{2}$ bus. to the acre.....	\$0 10	\$7 50
Japan Barnyard (<i>Panicum Crus-galli</i>). 30 to 40 lbs. to the acre....	18	15 00
Pearl. Southern fodder-plant.....	15	12 00
Siberian.	10	7 50
OATS. (32 lbs. to the bus.) 2 to 3 bushels to the acre.	Qt.	Bus.
Canada Cluster.	\$0 15	\$1 25
Tartar King.	15	1 50

Oats, White Ligowo. (Swedish Select.)	Qt.	Bus.
Imported.....	\$0 15	\$2 00
White Russian.	15	1 50
RYE. (56 lbs. to the bus.) $1\frac{1}{2}$ to 2 bushels to the acre.....		
Winter Excelsior. Long, stiff straw. Sow $1\frac{1}{2}$ bushels to the acre.....	15	1 75
Mammoth Winter. Maximum crop, 50 bus. grain, 3 tons straw per acre.	20	2 25
Spring.	20	2 00
WHEAT, WINTER. (60 lbs. to the bus.) $1\frac{1}{2}$ bushels to the acre.		
Rupert's Giant. Bald; red grain..		2 25
Red Wave. Beardless.....		2 00
Klondyke. White grain; bald.....		2 25
Improved Poole. Red; bald.....		2 25
Spring Wheat.		2 50
Durum. Best for macaroni.....		3 00

Forage, Economical and Miscellaneous Seeds

Except where noted, these seeds are not sold in packets. From 10 cts. to 25 cts. worth is the smallest quantity put up. All subject to change in price.

ASPERULA odorata (*Waldmeister*). Perennial, growing only about 6 inches high, with very fragrant flowers. In Germany, it is thought much of as imparting a certain bouquet to Rhine wine, making the well-known *Maitrank*. Pkt., 10 cts.; oz., 75 cts.

AUSTRALIAN SALT BUSH (*Atriplex semibacata*). Thrives in soils on which nothing else will grow, and it is highly recommended for alkali soils and all regions subject to periodical drought. It is very nutritious, and good for all kinds of live-stock. Two or three pounds of seed are sufficient for an acre. The seed may be sown in beds, and the seedlings planted out when 2 inches high, 3 feet apart. Grows strong and vigorously in the driest seasons. Oz., 15 cts.; lb., \$1.25; 100 lbs., \$90.

BEANS (60 lbs. to the bushel)—

Velvet Bean (*Dolichos multiflorus*). Used in the South as a forage plant, and as a fertilizer plant for turning under. Stock readily eat the vines and leaves, and the Beans, when ground with or without the pod, are used in place of oats or corn, or mixed with them. Plant in rows 4 feet apart and 1 foot in the row, 2 or 3 Beans in a place, as soon as danger of frost is past. The vines are strong and vigorous in growth, rapidly covering the ground, and bearing immense quantities of Beans. Qt., 25 cts.; bus., \$4.50.

Soja Bean (*Glycine hispida*). Thrives well in hot and dry weather. Plant at the rate of $\frac{1}{2}$ to $\frac{3}{4}$ bushel to the acre, in drills $2\frac{1}{2}$ or 3 feet apart, and cultivate same as field corn. It does not make good hay, but is good as ensilage or green fodder.

Early Dwarf Green. An early-maturing variety, best for the North, or sections where Hollybrook and Mammoth Yellow do not have time to mature. Pk., \$1; bus., \$3.50.

Hollybrook Early. A vigorous, quick-growing variety. Pk., \$1; bus. \$3.50.

Mammoth Yellow. The largest-growing Soja Bean, valuable for green fodder and for improving the soil. Pk., \$1; bus., \$3.

BEGGAR-WEED (Florida or Giant Beggar-weed; *Desmodium tortuosum*). An erect, leguminous annual, growing from 3 to 8 feet high, with abundant foliage, valuable as forage or for soil renovation in subtropical regions; it also makes hay of a fine quality. It should be sown at the rate of 10 pounds to the acre, after the ground is warm and moist. The seed should be but very lightly covered. If for hay, it should be cut just as it begins to bloom. Lb., 40 cts.; 100 lbs., \$35.

BERSEEM. See under Clover, page 57.

BROOM CORN (*Sorghum vulgare*). (12 quarts to the acre.) Broom Corn succeeds in a good, deep soil, fresh but not damp, and it is very sensitive to cold.

Long-Brush Evergreen. Lb., 15 cts.; 100 lbs., \$6.

BROOM CORN, continued

Improved Dwarf. Lb., 15 cts.; 100 lbs., \$6.

California Golden Long-Brush. Grows from 12 to 14 feet high. Lb., 15 cts.; 100 lbs., \$6.

BROOM, Scotch (*Genista scoparia*). The young growth of this shrub is chiefly valuable as food for sheep and other animals in winter. It is also employed for the making of coarse brooms. Oz., 15 cts.; lb., \$1.

BURNET, Common Field (*Poterium sanguisorba*). Perennial; makes excellent pasture for sheep; grows on the poorest ground—on dry, sandy or calcareous soils; resists the extremes of heat and cold, and is very vigorous. Sow in April, and again in September, with sainfoin, clover, rye, grass, etc., 30 lbs. to the acre. Lb., 25 cts.; 100 lbs., \$20.

CASTOR BEAN (*Ricinus*). The plant from which castor-oil is made. Qt. 25 cts.; bus., \$6.

CATERPILLARS, HAIRY (*Scorpiurus*). A curious plant; of interest only on account of the peculiar fruits from which its name is derived. Amusement is caused by mixing them in salads. Pkt. 10 cts.; oz. 60 cts.

CHICORY, Large-rooted (*Cichorium Intybus*). When the roots are dried, roasted and ground they become the Chicory of commerce, and are used in adulterating coffee. Oz., 10 cts.; lb., 90 cts.

COTTON SEED.

Sea Island. Lb., 20 cts.; 100 lbs., \$15.

Upland. Lb., 20 cts.; 100 lbs., \$15.

Upland Big Boll. Very prolific. Lb., 25 cts.; 100 lbs., \$20.

COWPEAS (*Vigna Catjang*). Specially adapted to warm countries; extensively grown in our southern states; also valuable in this latitude as a fodder-plant. The chief value of Cowpeas, however, is as a green crop to plow under. The seed should not be sown till the ground has become well warmed. Sow 1 bushel to the acre, in drills; 2 or $2\frac{1}{2}$ bushels to the acre if sown broadcast.

Black. Standard variety; early and very prolific. Pk., \$1.25; bus., \$4.

Clay. A little later than the Black; prolific in both peas and growth of vine. Pk. \$1.25; bus., \$4.

New Era. Upright-growing, quick to mature and very prolific of peas. Pk., \$1.25; bus. \$4.

Red Ripper. Early and prolific, desirable sort. Pk., \$1.25; bus., \$4.

Whippoorwill. A favorite sort; makes a good growth of vine and very good for improving the land. Pk. \$1.25; bus., \$4.

EMMER. (Sometimes advertised as "Speltz," though this name is incorrect, the true Speltz being a different article.) It is grown quite extensively in the Northwest, having been brought by the Germans from Russia, where it is considered a valuable cereal on account of its hardiness and drought-resisting qualities. Lb., 15 cts.; 100 lbs., \$7.

FORAGE, ECONOMICAL AND MISCELLANEOUS SEEDS, continued

ESPARSETTE. See *Onobrychis sativa*.

FENUGREEK (*Trigonella fœnum-græcum*). Annual. This seed is often sought by hostlers to give temporary fire and vigor to their horses. It is frequently given to oxen and pigs when fattening, causing them to drink and digest their food. Considered to be good for soiling when green. Oz., 10 cts.; lb., 25 cts.

FLAX, NATIVE (*Linum usitatissimum*). Lb., 15 cts., 100 lbs., \$10.

FURZE (*Ulex europæa*). Also known as Whin and Gorse. A perennial leguminous shrub. The crushed sprigs of one year's growth of this shrub furnish an excellent green fodder in winter. It grows well on barren hillsides and in sandy soil. Sheep are fond of it. 25 lbs. to the acre. Oz., 20 cts.; lb., \$2.

HOP SEED (*Humulus lupulus*). Pkt., 10 cts.; oz., 60 cts.

JERSEY WINTER KALE, or Cow Cabbage. Excellent for feeding cattle; very hardy. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 20 cts.; lb., 60 cts.

JERUSALEM CORN. See under Sorghum, page 61.

JUTE (*Corchorus*). Annual. Thrives in any good corn ground. Sow in drills, about 8 inches apart, 4 pounds to the acre. Requires no cultivation, as it will outstrip in growth all weeds. May be also sown broadcast, 6 or 7 pounds to the acre. Oz., 15 cts.; lb., 75 cts.

KAFFIR CORN. See Sorghum, page 61.

KIDNEY VETCH, or Sand Clover. See Clovers, page 57.

LIQUORICE (*Glycyrrhiza glabra*). Seed in pods. Oz., 75 cts.

LOTUS corniculatus (*Bird's-foot Trefoil*). Perennial; used in pastures. Cattle and sheep eat it readily, and it is said to be quite nutritious. It grows on the lightest and most sterile soils, and can withstand severe droughts. Is excellent for sowing in mixture for dry pastures. Lb., \$1.

villosus, or major (*Greater Bird's-foot Trefoil*). Lb., \$2.

LUPINE, Yellow. Succeeds well in the poorest soil, and is exceedingly valuable for plowing in to improve sandy soils. It makes good forage, either green or as hay. The seeds are very fattening when used with hay. Sow in the spring when the ground has become thoroughly warm, at the rate of 90 lbs. to the acre. Lb., 15 cts.; 100 lbs., \$8.

White (*Large Flat Seed*). One of the best plants known for green manure, as it gathers large quantities of nitrogen from the air. It may be sown from April to July, and plowed under when in flower. The seed, when burned, is excellent manure for orange and olive trees. Lb., 15 cts.; 100 lbs., \$8.

Blue. Used for the same purpose as the White. Lb., 15 cts.; 100 lbs., \$8.

MADDER (*Rubia tinctoria*). A perennial, the roots of which, when dried and reduced to powder, furnish a red coloring matter. Oz., 20 cts.; lb., \$1.25.

MILLETS. See Miscellaneous Cereals, page 58.

ONOBRYCHIS sativa (French, *Sainfoin*; German, *Esparsette*). A perennial leguminous plant, belonging to the same family as clover and lucerne. It is a valuable plant for growing on poor land and barren hillsides. When once well established, it lasts for many years. If to be used for hay, cut just before the flowering period. Sow in spring, covering the seeds quite deeply, at the rate of 80 lbs. to 100 lbs. to the acre. Lb., 25 cts.; 100 lbs., \$15.

OSAGE ORANGE (*Machura aurantiaca*). Useful for hedges. Oz., 10 cts., lb., 50 cts.; 25 lbs. and up at 40 cts. per lb.

PEARL MILLET (*Penicillaria spicata*). A valuable fodder-plant for the South; is enormously productive. Sow the seed in drills 18 inches apart, and 8 to 10 pounds to the acre. Lb., 15 cts.; 100 lbs., \$12.

PEAS, Canadian Field. Valuable for northern climates, for cattle-feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the spring and harrowed in. If sown with oats, about 1½ bushels to the acre; in drills, 2 to 3 bushels to the acre. Qt., 20 cts.; bus., \$3.

PENICILLARIA spicata. See Pearl Millet.

POPPY, Opium (*Papaver somniferum*). The seed furnishes an agreeable sweet oil, used for the table, also for painting and for illuminating. May be sown in spring, either broadcast or in drills, covering thinly. Also cultivated for opium. Oz., 20 cts.; lb., 75 cts.

POLYGONUM sachalinense (*Sacaline*). Hardy perennial, native of the island of Saghalin, between Japan and Siberia. It grows well on the poorest soils, and endures the extremes of heat and cold. Reaches a height of 10 to 12 feet, and can be cut two or three times in the season. The stems and leaves, which are very nutritious, are eaten either green or dry by cattle and sheep, and much relished. Clean seed, oz., 50 cts.; lb., \$5.

RAMIE, Silver China Grass (*Urtica nivea*). Extensively cultivated for its fiber. The seed should be germinated on cotton floating in lukewarm water, and transferred to a bed, screened from the hot sun. When the plants are 4 inches high, transplant to a field in rows 4 feet apart each way; when 3 feet high, turn them over and peg down, covering with earth, and they will start in every direction. Oz., \$1; lb., \$10.

RAPE, Dwarf Essex English (*Brassica napus*). Largely grown in the northern United States, and in Canada. It is excellent for sheep-pasture, and also for soiling. It may be sown in May, and will be ready for pasturing in July and August; or, it may be sown in June or July, and yet furnish a large amount of pasture or fodder. In drills, sow 5 pounds to the acre; sown broadcast, 10 pounds to the acre. Lb., 15 cts.; 100 lbs., \$10.

REANA luxurians (*Teosinte*). Short crop. A valuable fodder-plant from Central America, in growth resembling Indian corn. Well adapted to our southern states. Oz., 15 cts.; lb., \$1.

RICE SEED, for sowing. Best Carolina. Lb., 10 cts.; 100 lbs., \$8.

FORAGE, ECONOMICAL AND MISCELLANEOUS SEEDS, continued

SAINFOIN. See *Onobrychis*, page 60.

SALT BUSH. See Australian Salt Bush, page 59.

SACALINE. See *Polygonum sachalinense*, page 60.

SERADELLA (*Ornithopus sativus*). A valuable forage-plant, admitting of one, and sometimes two, cuttings in one season. It succeeds well in a dry, sandy soil and furnishes a good pasture for sheep. It may also be cured for hay. Can be sown with winter rye. About 50 pounds to the acre. Lb., 18 cts.; 100 lbs., \$12.

SNAILS (*Medicago scutellata*). Used in the same way as Caterpillars. Pkt., 10 cts.; oz., 50 cts.

SORGHUM. Twenty-five pounds required to the acre if sown in drills. For dry fodder, 2 bushels should be sown to the acre.

Early Amber Sugar Cane. Ripens wherever Indian corn matures. Grows 10 to 12 feet high. Lb., 15 cts.; 100 lbs., \$7.

Brown Dhoura. Lb., 15 cts., 100 lbs., \$7.

Halepense (*Johnson Grass*). One of the most valuable southern fodder plants. On rich soils it may be cut three or four times in a single season, and it is claimed that hay made from it is equal in value to timothy. Sow in August and September, 35 to 40 pounds to the acre. Lb., 20 cts.; 100 lbs., \$15.

Holcus saccharatus (Sugar Millet). Rich in saccharine matter, and a large amount of nutritive fodder can be obtained from it. Lb., 15 cts.; 100 lbs., \$10.

Jerusalem Corn (White Dhoura). Lb., 15 cts.; 100 lbs., \$10.

Red Kaffir Corn, or Sorghum. Non-saccharine. The plant is low, stalky, perfectly erect. The whole stalk, as well as the blades, cures into excellent fodder, and in all stages it is available for green feed. Lb., 15 cts.; 100 lbs., \$6.

White Kaffir Corn. Lb., 15 cts.; 100 lbs., \$8.

Early Orange Sugar Cane. Ripens about ten days after Early Amber, and is said to produce a larger crop. Lb., 15 cts.; 100 lbs., \$7.

Sorghum, Shallu. A non-saccharine Sorghum from India, also known as Egyptian wheat. Requires more room to develop than ordinary Sorghum, and consequently needs less seed to sow an acre. Lb., 15 cts.; 100 lbs., \$7.

Yellow Branching (Yellow Millo Maize). Non-saccharine; useful for the large amount of foliage, green feed or cured fodder that it furnishes, and for its grain. Lb. 15 cts.; 100 lbs., \$5.

SPURRY (*Spergula arvensis*). Annual. Grows well on poor, dry, sandy soil; may be sown every month from March to August. Excellent pasture for cattle and sheep; also of much value as a fertilizer for light soil. 15 pounds to the acre. Lb., 15 cts.; 100 lbs., \$10.

Giant Spurry. Lb., 20 cts.; 100 lbs., \$12.

SUNFLOWER, Large Russian. Lb., 12 cts.; 100 lbs., \$9.

TEOSINTE. See *Reana luxurians*, page 60.

TOBACCO SEED. See page 47.

ULEX europæa. See Furze, page 60.

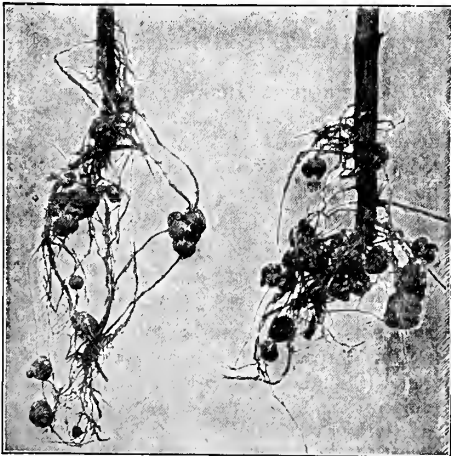
VELVET BEAN. See page 59.

VETCHES, Spring Tares (*Vicia sativa*). Sown broadcast at rate of 60 to 100 pounds to the acre, like wheat or barley, and sometimes mixed with oats for soiling. Used in France and Canada as a substitute for peas. Price variable. Present quotation, lb., 10 cts.; 100 lbs., \$6.50.

Sand, Winter or Hairy Vetch (*Vicia villosa*). Thrives on poor, arid, sandy soils. It may be sown either in fall or in spring, mixed with rye for a support. Grows 3 to 4 feet high, and can be cut as soon as the bloom appears, and again for the seed. Perfectly hardy. Sow from 30 to 50 lbs. to the acre. Price variable. Present quotation, lb., 18 cts.; 100 lbs., \$15.

WALDMEISTER. See *Asperula odorata*, page 59.

WORMS (*Astragalus hamosus*). Used the same as Snails and Caterpillars. Pkt., 10 cts.; oz., 50 cts.



FARMOGERM

A preparation of high-bred, nitrogen-gathering bacteria in sealed bottles, ready to use, with water added according to directions. Bottles contain enough Farmogerm to inoculate the seeds for one acre. Prepared for the following crops:

White Clover	Cowpeas
Red Clover	Vetches
Crimson Clover	Canada Field Peas
Alsike Clover	Garden Peas
Alfalfa Clover	Sweet Peas
Garden Beans	Soy Beans

Price per acre bottle, \$2; per five-acre bottle, \$9.

State for what crop Farmogerm is wanted, when ordering.

Also in garden size, enough for 1,000 square feet or a 200-foot row, for Peas, Beans, Sweet Peas and White Clover, at 50 cts. per bottle. We secure cultures fresh from the laboratory, hence it takes two or three days to fill orders.

Tree and Shrub Seeds

To preserve seeds of Conifers and other Evergreen Trees, it is best to keep them in perfectly dry sand until the time of sowing. For this latitude, the seeds should be sown thinly, as early in the spring as the ground can be worked, in beds of fine, sandy loam. Cover to the depth of about the thickness of the seed, and press the beds gently with the back of the spade to firm the earth around the seeds. Great care must be taken not to give too much water, as the young plants damp off very easily. Water with a very fine rose, but never so that the ground becomes soggy. Some shade must be used to protect the young plants from the hot sun and winds, and to keep the birds from destroying them. Seeds of the rarer sorts may be sown in coldframes or boxes; if in coldframes, the sashes should be shaded and the frames raised at the corners 3 or 4 inches to allow the air to circulate freely. Keep the young plants well weeded, and allow them to remain one to two years before transplanting.

The propagation of Deciduous Trees from seed is less difficult than that of Evergreen species. Acorns, Hickorynuts, Chestnuts and Walnuts should be planted in autumn, or kept during the winter in earth or moss. They shrivel up by too long exposure to the air, and many of them lose their vitality. Those seeds with hard shells, like the Locust, *Gymnocladus*, etc., should be planted in autumn or placed in boxes with sand, and exposed to frost before planting. They may not germinate till the second year after planting, and if they are received too late in the spring to expose them to the action of the frost, they may be put into a vessel of hot water for an hour or so before planting. American Elm, Silver Maple and a few other sorts ripen their seeds early in summer, and, if gathered and planted soon after they fall from the tree, will make fine plants the same season. The seeds of other Deciduous Trees and Shrubs should be planted from the middle of April to the middle of May, in drills about 2 feet apart, and covered about $\frac{1}{2}$ inch in depth, according to size.

Some of the varieties here offered are on hand now; many are due from foreign countries, where they are being collected for us. We are, of course, uncertain of getting all of them. As the season advances, many sorts become worthless from various causes, or are sold out, and cannot be replaced until the new crop is ready next season.

EVERGREEN TREE AND SHRUB SEEDS

We do not sell Tree or Shrub Seeds in quantities of less than an ounce of any one variety, except those quoted at over 25 cents per ounce; of these, 25-cent packets may be ordered.

	Per oz.	Per lb.
Abies alba (White Spruce).....	\$0 45	\$4 50
<i>amabilis</i> (Silver Fir).....	60	6 00
<i>Balsamea</i> (Balm of Gilead; Balsam Fir).....	15	1 50
<i>brachyphylla</i> (Short-leaved Japan Fir).....	30	3 00
<i>canadensis</i> (Hemlock Spruce).....	50	5 00
<i>concolor</i> (Calif. White Silver Fir).....	30	3 00
<i>firma</i> (Japan Silver Fir).....	20	2 00
<i>Mariesii</i> (Japan Silver Fir).....	50	5 00
<i>nobilis</i> (Noble Fir).....	40	4 00
<i>Nordmanniana</i> (Nordmann's Fir).....	20	2 00
<i>pectinata</i> (European Silver Fir).....	10	1 00
<i>pinsapo</i> (Spanish Fir).....	25	2 50
<i>sibirica</i> (Siberian Silver Fir).....	30	2 75
<i>Veitchii</i> . From Japan.....	30	2 50
Arborvitæ . See <i>Thuja</i> .		
Arctostaphylos glauca (Great-berried Manzanita).....	20	2 00
<i>tomentosa</i> (Woolly-branched Strawberry Tree).....	20	2 00
Buxus sempervirens (Evergreen Box)...	30	3 00
Cedrus		
<i>atlantica</i> (Mt. Atlas Cedar).....	40	4 00
<i>deodara</i> (Himalayan Cedar).....	35	3 50
<i>libani</i> (Cedar of Lebanon).....	30	3 00
Chamæcyparis obtusa (Hinoki Cypress).....	40	4 00
<i>Lawsoniana</i>	20	2 00
<i>pisifera</i> (Sawara Cypress).....	50	5 50
Cryptomeria japonica (Japan Cedar)...	25	2 50

	Per oz.	Per lb.
Cupressus		
<i>arizonica</i> (Arizona Cypress).....	\$0 50	\$5 00
<i>horizontalis</i> (Horizontal Cypress).....	15	1 50
<i>macrocarpa</i> (Monterey Cypress).....	20	2 00
<i>pyramidalis</i>	10	1 00
<i>sempervirens</i> (Evergreen Cypress)....	10	1 00
Fir Tree . See <i>Abies</i> and <i>Picea</i> .		
Juniperus		
<i>argentea</i>	15	1 50
<i>bermudiana</i> (Pencil-wood Cedar)....	15	1 25
<i>Californica</i>	30	3 00
<i>communis</i> (European Juniper).....	10	1 00
<i>monosperma</i>	10	1 00
<i>occidentalis</i>	20	2 00
<i>oxycedrus</i> (Sharp-leaved Cedar).....	30	3 00
<i>virginiana</i> (Red Cedar).....	10	75
Libocedrus decurrens (California White Cedar).....	40	4 00
Norway Spruce . See <i>Picea excelsa</i> .		
Photinia arbutifolia	15	1 50
Picea ajanensis . From Japan.....	60	6 00
<i>Alcockiana</i> (Japan Fir).....	50	5 00
<i>Douglasii</i> (Douglas' Spruce).....	40	4 00
<i>Engelmanni</i>	50	5 00
<i>excelsa</i> (Norway Spruce).....	20	2 00
<i>Menziesii</i> (Menzie's Fir).....	50	5 00
<i>nigra</i> (Black Spruce).....	50	5 00
<i>polita</i> (Tiger's Tail Fir).....	60	6 00
<i>pungens</i> (Colorado Blue Spruce)....	50	5 00
<i>rubra</i> (Red Spruce).....	45	4 50

EVERGREEN TREE AND SHRUB SEEDS, continued

	Per oz.	Per lb.		Per oz.	Per lb.
Pinus austriaca (Austrian Pine).....	\$0 25	\$2 00	Pinus Strobus (White Pine)	\$0 25	\$2 50
australis or palustris (Southern Pine)...	35	3 00	sylvestris (Scotch Pine).....	30	3 00
Banksiana (Northern Scrub Pine)....	60	6 00	tæda (Loblolly).....	55	5 50
canariensis (Canary Island Pine).....	40	4 00	Torreyana (Torrey's Pine).....	40	4 00
cembra (Cembran Stone Pine).....	15	1 00	tuberculata (Tuberculated Pine)....	70	7 00
contorta.....	75	7 50	Schinus molle (False Pepper).....	15	1 50
densiflora (Japan Pine).....	20	2 00	Sciadopitys verticillatus (Umbrella		
edulis (American Nut Pine).....	30	3 00	Pine of Japan).....	30	3 00
flexilis.....	40	4 00	Sequoia gigantea	80	10 00
halepensis (Jerusalem Pine Tree)....	20	2 00	sempervirens (California Redwood)...	45	4 50
inops (New Jersey Scrub Pine).....	60	6 00	Spruce Tree. See <i>Abies</i> and <i>Picea</i> .		
Jeffreyana (Jeffrey's Pine).....	40	4 00	Taxus baccata (English or European		
koraiensis. From Japan.....	40	4 00	Yew).....	25	2 50
Lambertiana (Sugar Pine).....	20	2 00	brevifolia (California Yew).....	25	12 00
laricio (Corsican Pine).....	25	2 50	Thuja		
maritima (Seaside Pine).....	10	1 00	compacta (Compact Arborvitæ).....	25	2 50
massoniana.....	20	2 00	gigantea (Giant Oregon Arborvitæ) ..	50	5 00
monticola (Mountain White Pine) ...	60	6 00	orientalis (Chinese Arborvitæ).....	15	1 25
mitis (Short-leaved Pine).....	50	5 00	occidentalis (American Arborvitæ) ...	30	3 00
montana (Mughus).....	20	2 00	Torreya Californica (California Nut-		
monophylla.....	40	4 00	meg).....	15	1 50
muricata (Bishop's Pine).....	65	6 50	Tsuga canadensis	50	5 00
Parryana.....	25	2 50	Sieboldii (Siebold's Japan Spruce)....	50	5 00
parviflora. From Japan.....	30	3 00	Yucca baccata	1 00	
pentaphylla.....	45	4 50	brevifolia.....	1 00	
pinea (Stone Pine, or Nut Pine).....	10	80	filamentosa (Adam's Needle).....	25	2 50
ponderosa (Heavy Pine).....	30	3 00	glauca, or angustifolia (Narrow-leaved		
resinosa (Red Pine).....	1 00	10 00	Adam's Needle).....	25	2 50
rigida (Northern Pitch Pine).....	30	3 00	Whipplei.....	50	
Sabiniana (Sabine's Nut Pine).....	15	1 50			

DECIDUOUS TREE AND SHRUB SEEDS

We do not sell Tree or Shrub Seeds in quantities of less than an ounce of any one variety, except those quoted at over 25 cents per ounce; of these, 25-cent packets may be ordered.

	Per oz.	Per lb.		Per oz.	Per lb.
Acer			Aristolochia Sipho (Dutch man's		
macrophyllum (Large-leaved Maple) \$0	15	\$1 50	Pipe).....	\$0 50	\$5 00
Negundo (Box Elder).....	10	75	Ash. See <i>Fraxinus</i> .		
pennsylvanicum (Striped Maple)....	25	2 50	Asimina triloba (Pawpaw).....	15	1 50
platanoides (Norway Maple).....	15	1 00	Azalea		
pseudo-platanus (Sycamore Maple)....	10	80	calendulacea (Flame-colored Azalea) ..	50	5 00
rubrum (Swamp Maple).....	15	1 50	Vaseyi.....	60	6 00
saccharum (Sugar Maple).....	15	1 00	Berberis japonica	20	2 00
Æsculus glabra (Fetid or Ohio Buck-			Thunbergii. Fine for hedges.....	20	2 00
eye).....		35	Betula alba (White European Birch) ..	25	2 50
Ailanthus glandulosus (Tree of Heaven)	15	1 50	lenta (Mountain Mahogany).....	20	2 00
Almond. See <i>Amygdalus</i> .			lutea (Yellow or Gray Birch).....	20	2 00
Alnus oregona (Oregon Alder).....	40	4 00	nigra (Red Birch).....	20	2 00
rugosa.....	20	2 00	Boston Ivy. See <i>Aneuplois Veitchii</i> .		
Amorpha fruticosa (False Indigo)	15	1 00	Broom. See <i>Genista</i> .		
Ampelopsis hederacea (Woodbine) ...	10	1 00	Broussonetia papyrifera (Paper Mul-		
quinquefolia (Virginia Creeper).....	15	1 50	berry).....	25	2 50
Veitchii (Boston Ivy).....	25	2 00	Callicarpa americana (French Mulberry)	10	1 00
Amygdalus			Calycanthus floridus (Common Caro-		
vulgaris dulcis (Sweet Almond).....	10	1 00	lina Allspice).....	15	1 00
vulgaris amara (Bitter Almond).....	10	1 00	occidentalis (Western Allspice).....	20	2 00
Aralia cordata (Udo Salad).....	25	2 50	Camellia japonica. From Japan.....	20	1 50
spinosa (Virginia Angelica Tree)....	20	2 00	Camphor. See <i>Cinnamomum</i> .		
Arbutus Unedo (Strawberry Bush)....	30	3 00	Carpenteria californica	1 75	

DECIDUOUS TREE AND SHRUB SEEDS, continued

	Per oz.	Per lb.		Per oz.	Per lb.
Carpinus americana	\$0 20	\$1 50	Fremontia		
caroliniana.....	20	1 75	californica (Slippery Elm of Cali-		
Carya amara (Bitternut). 100 lbs., \$10.		20	fornia).....	\$1 00	\$13 00
alba (Shellbark Hickory) 100 lbs., \$10.		20	Gaultheria procumbens (Wintergreen). 30		3 00
porcina (Pignut)..... 100 lbs., \$10.		20	Genista scoparia (Scotch Broom)..... 15		1 00
sulcata (Big Shellbark Hickory) ..		20	Gleditschia triacanthos (Honey Locust) 10		45
100 lbs., \$10		20	Gymnocladus canadensis (Kentucky		
tomentosa (Mockernut). 100 lbs., \$10.		20	Coffee Tree).....	10	75
Castanea americana (Am. Chestnut).		40	Hakea elliptica per 100 seeds \$1.		
Catalpa speciosa . <i>True Hardy Catalpa</i> ... 25	1	50	Halesia tetraptera (Silver Bell)..... 15		1 50
Ceanothus			diptera.....	25	2 50
americanus (New Jersey Tea)..... 20	2	00	Holly . See <i>Ilex</i> .		
integerrimus (Beauty of the Sierras)... 25	2	50	Ilex verticillata (Deciduous Holly). 15		1 25
Celastrus scandens (Climbing Bitter-			Itea virginica	15	1 50
sweet).....	20	2 00	Juglans californica		45
Celtis occidentalis (Am. False Elm).... 15	1	50	cinerea (Butternut).....		
Cephalanthus occidentalis (Button-			qt., 25 cts.; bus., \$3.50..		
bush).....	15	1 25	nigra (Black Walnut).....		
Cercidiphyllum japonicum 25	2	50	qt., 25 cts.; bus., \$3.50..		
Cercis canadensis (Am. Judas Tree).... 10	1	00	Kalmia latifolia (Mountain Laurel).... 75		
Cinnamomum Camphora (Camphor). 20	2	00	Larix occidentalis	1 00	10 00
Citrus trifoliata (Hardy Japan Orange). 40	4	00	Laurus benzoin	15	75
Cladrastis lutea (Yellow-wood Tree)... 35	3	00	Ligustrum		
Clematis flammula (White Virgin's			ibota (Chinese Privet).....	20	1 25
Bower).....	25	2 50	vulgare (Common Privet).....	10	1 00
paniculata (Panicled Virgin's Bower).. 35	3	50	Liquidambar styraciflua (Sweet Gum). 35		3 00
virginica (American Virgin's Bower).. 30	3	00	Liriodendron tulipifera	10	60
Clethra alnifolia (Sweet Pepper Bush).. 15	1	50	Locust . See <i>Gleditschia</i> and <i>Robinia</i> .		
Cornus alternifolia	15	1 50	Maclura aurantiaca (Osage Orange)....		
circinata (Round-leaved Dogwood) .. 30	2	50	25 lbs. and up at 40 cts. per lb.. 10		50
florida (Flowering Dogwood)..... 10		65	Magnolia glauca (Sweet Bay)..... 25		2 50
mascula (Cornelian Cherry)	10	65	grandiflora (Large-flowered Magnolia) 25		2 50
Nuttalli.....	20	2 00	Kobus.....	20	2 00
stolonifera (Osier Dogwood)..... 15	1	00	tripetala (Umbrella Tree)..... 30		3 00
Coronilla Emerus (Scorpion Senna).... 40	4	00	Maple . See <i>Acer</i> .		
Corylus americana (American Hazel)... 15	1	00	Morus rubra	20	2 00
rostrata (Beaked Hazel).....	15	1 00	tatarica.....	30	3 00
Crataegus			Myrica caroliniensis	15	1 50
coccinea (Scarlet-fruited Thorn) 10		75	cerifera (Candleberry Myrtle)..... 15		1 50
Crus-galli (Cockspur Thorn)..... 10		60	Nuttallia cerasiformis (Oso Berry Tree). 50		5 00
monogyna.....	15	1 50	Osage Orange . See <i>Maclura</i> .		
Deutzia crenata	20	2 00	Paliurus aculeata (Christ's Thorn).... 15		1 00
scabra (White Deutzia).....	25	2 50	Platanus occidentalis (Buttonball).... 10		65
Dogwood . See <i>Cornus</i> .			Plum . See <i>Prunus</i> .		
Edgeworthia papyrifera (Indian Paper			Populus tremula	20	2 00
Tree).....	25	2 50	Prunus americana (Wild Plum)..... 15		1 50
Elæagnus umbellata	15	1 50	caroliniana.....	15	1 50
longipes (Long-stalked Oleaster).... 20	2	00	maritima (Beach Plum).....	30	3 00
Eucalyptus			pennsylvanica.....	15	1 50
Gunni (Cider Tree of Tasmania).... 55	5	50	serotina (Wild Black Cherry)..... 10		60
robusta (Brown Gum).....	50	5 00	virginica (American Choke Cherry) .. 15		1 50
rostrata (Red Gum).....	40	4 00	Ptelea trifoliata (Hop Tree)..... 15		1 50
Stuartiana (Apple-scented Gum Tree). 50	5	00	Quercus . Collection uncertain; may		
Exochorda grandiflora	40	4 00	be able to procure a few varieties		
Fagus americana (American Beech).... 10		80	later on.		
Fraxinus americana alba	10	75			
quadrangulata.....	15	1 50			

DECIDUOUS TREE AND SHRUB SEEDS, continued

	Per oz.	Per lb.
Rhamnus Alaternus (Barren Privet).....	\$0 15	\$1 50
californica (California Coffee Tree)....	25	2 50
carolina (Indian Cherry).....	15	1 50
Purshiana (California Bearberry).....	30	3 00
Rhododendron		
catawbiense.....	40	4 00
maximum (Great Laurel).....	40	4 00
Rhus copallina (Dwarf Sumach).....	10	75
cotinus (Smoke Tree).....	30	3 00
glabra (Scarlet Sumach).....	10	50
typhina (Staghorn Sumach).....	15	1 25
Ribes sanguineum (Red-flowered Currant).....	40	4 00
Robinia pseudacacia (Yellow or Black Locust).....	15	1 00
Rosa canina (Briar Rose). Clean seed....	10	80
carolina (Swamp Rose).....	15	1 00
humilis (Low Rose).....	15	1 50
lucida (Dwarf Wild Rose).....	15	1 50
nitida.....	15	1 50
rubiginosa (Sweetbriar).....	10	1 00
rugosa.....	15	1 50
Salisburia adiantifolia (Maidenhair Tree).....	10	80
Sambucus canadensis (American Elder)	10	80
glauca (California Elder).....	15	1 50
nigra.....	15	1 00
pubens.....	20	2 00
Sassafras officinale (Sassafras Tree)....	15	1 50
Sophora japonica (Japan Pagoda Tree)	15	1 00
Spartium scoparia. See <i>Genista</i> .		

Spiræa salicifolia (American Meadow Sweet).....	Per oz. \$0 10	Per lb. \$0 75
tomentosa (Hardhack).....	15	1 25
Staphylea pinnata (European Bladder Nut).....	15	1 50
Taxodium distichum (Deciduous Cypress).....	15	1 50
Tecoma radicans (Trumpet Creeper)....	20	2 00
Tilia argentea (Silver-leaved Linden)...	15	1 50
americana (American Basswood).....	15	1 25
europæa (European Linden).....	10	1 00
grandiflora (Large-leaved Linden)....	10	1 00
Ulex europæa (Furze, Gorse or Whin)...	30	3 00
Vaccinium		
atrococcum (Black High Blueberry)....	20	2 00
corymbosum (Swamp Blueberry).....	20	2 00
pallidum (Pale-flowered Whortleberry).....	20	2 00
pennsylvanicum (Low Early Blueberry).....	20	2 00
vacillans (Low Blueberry).....	20	2 00
Viburnum acerifolium (Dockmackie)....	15	1 50
cassinoides (Appalachian Tea Tree)....	15	1 50
dentatum (American Arrow-wood)....	10	75
Lantana (Wayfaring Tree).....	10	75
Lentago (Sheepberry).....	15	1 50
Opulus (Snowball).....	10	75
prunifolium (Black Haw).....	10	75
Tinus (Laurestinus).....	15	1 25
Walnuts. See <i>Juglans</i> .		
Wistaria chinensis (Chinese Wistaria)..	40	4 00
chinensis alba (White Chinese Wistaria).....	60	6 00

FRUIT SEEDS

	Per oz.	Per lb.
Apple Seed , American.....	\$0 10	\$0 30
Apple , Paradise (<i>Pyrus paradisiaca</i>)... 10		60
Apricot Pits		35
Cherry Pits , Mahaleb.....		75
Black Mazzard.....		40
Domestic.....		35
Currant , Black..... pkt., 10c... 20		2 00
Red Dutch..... " 10c... 20		1 50
White Dutch..... " 10c... 20		2 00
Gooseberry , Green and Yel-low..... " 10c... 30		3 00
Large Red..... " 10c... 30		3 00
Peach Pits , Natural.. qt. 15c.; bus. \$2.50		

Pear Seed	Per oz. \$0 35	Per lb. \$3 50
Pear Seed . From Japan.....	40	4 00
Plum Pits , Myrobolan.....		75
St. Julien.....		75
Domestic.....		35
Quince Seed	20	2 00
Raspberry , Red..... pkt., 10c... 20		2 00
Yellow.....	25	2 50
Strawberry , Mixed..... pkt., 10c... 75		
Red Alpine..... " 10c... 2 00		
Vitis æstivalis (Summer Grape).....	25	2 25
cordifolia (Frost Grape).....	25	2 50
labrusca (Northern Fox Grape).....	25	2 50

SEEDS OF HEDGE PLANTS

For prices, see under head of Tree Seeds

Barberry	Berberis Thunbergii.
Furze , or Gorse	Ulex europæa.
Locust , Honey.....	Gleditschia triacanthos.
Yellow.....	Robinia pseudacacia.

Norway Spruce	Picea excelsa.
Osage Orange	Maclura aurantiaca.
Privet , Common.....	Ligustrum vulgare.
Sheepberry (Black Haw). Viburnum prunifolium.	

Flower Seeds

PRACTICAL DIRECTIONS FOR CULTURE, TREATMENT, ETC.

HARDY ANNUALS (ha).—Sow in April or May, according to the latitude, in shallow boxes or pots placed in a warm window, a hotbed or, if possible, in a greenhouse. A second sowing ought to be made from two to four weeks after for a succession, as well as to provide against failure the first time. For sowing seeds in there is nothing better than shallow boxes from 2 to 3 inches deep, and of any convenient size. The most suitable soil for all the smaller kinds is a very fine, rich, sandy loam. That from old hotbeds is excellent, or sods from an old pasture piled up and allowed to rot for two or three years and then mixed with a little old stable manure and sand. After the seeds are up, care must be taken to give them plenty of air and moisture, yet not too much water, or they will “damp off.” When the young plants are well out of the seed-leaf, they must be transplanted to new boxes. If pots 2 inches or more in diameter can be had, set out from three to a dozen or more of the young seedlings along the edges of the pot, so that as soon as the ground is warm enough they may be easily turned out and planted singly, as by that time they will have made good roots. When pots cannot be had, boxes, tin cans, etc., may be substituted.

A common mistake in sowing flower, as well as other, seeds, is covering too deeply. The exception to this is the Sweet Pea which is seldom planted deep enough. As a general rule, cover only to the depth of the thickness of the seeds; or, with medium-sized seeds, like Balsams, Zinnias, etc., half an inch or so is none too much. Such fine seeds as Portulacas need only to be pressed into the soil with a piece of board or the palm of the hand. Always press the earth down firmly after sowing all flower seeds, else there is danger of their drying up before the roots can get firm hold of the soil. Seeds of the hardier Annuals may be sown where they are to grow; but, as a rule, it is preferable to transplant, as the plants are generally stronger and stand the drought better. During very dry weather, and when the seedlings are first set out, they should be watered frequently. Provide some support for all such Annuals as require it.

The weeds should be kept down and the ground loosened often, so that the plants will receive the full benefit of the rains and dews, which they will not if the ground is allowed to become hard and baked.

Seeds of Biennials and some Hardy Annuals may be sown in July and August in the open, and in September in boxes and placed in coldframes. They will make strong plants by spring, and flower early. Do not put on the sashes until heavy rains and frosts begin, and then always remove during the day whenever the temperature is above freezing in winter.

HARDY BIENNIALS (hb) and HARDY PERENNIALS (hp).—These require the same treatment as the Hardy Annuals. In addition to the above, both Hardy Biennials and Perennials may be sown in the open border from July to September. The seeds of many Perennials require several months, some even as long as two years, before they germinate. It is a good plan, at the commencement of frost, to cover the plants lightly with straw, leaves or any dry litter, in order to afford some protection from the extreme severity of the winter. As soon as the frost is out of the ground in the spring, remove the covering and loosen the surface around the plants, which, when large enough, may be transplanted to the flower-garden where they are to remain.

HALF-HARDY ANNUALS (hha).—These may be sown in shallow boxes, pots or a hotbed, as directed for Hardy Annuals. They may be sown thus at any time after the middle of April, as the hotbed will be sufficient protection; but it is best to cover the glass with a mat or straw at night until danger of frost is past. In the day give all the air possible. After the end of May, sow in the border, like Hardy Annuals.

HALF-HARDY BIENNIALS (hhb) and HALF-HARDY PERENNIALS (hhp) require the same treatment. Though plants and their blooms are greatly forwarded by sowing the seeds early in boxes under cover, it may be stated that nearly all kinds of Hardy and Half-hardy Flower Seeds may be sown in the open border in a warm and sunny spot as soon as the soil has become dry and warm; so that those who have no glass frames or greenhouses need not be without flowers. They can have them, but it will be later.

TENDER ANNUALS, BIENNIALS and PERENNIALS.—The best method to obtain an early bloom of the Tender Annuals (ta), and to insure strength to the plants, is to sow the seeds in boxes or pots in March, placing them in a warm greenhouse or plunging in a moderate hotbed, carefully protecting them from the cold, shading from the midday sun, and watering with a fine rose. The seed should be sown in a very light, sandy compost, and the pots well drained by placing broken pots or bits of sod in the bottom. The finer seeds must not be covered more than an *eighth of an inch deep*, and the soil pressed down closely over them. Water frequently, particularly if the house or hotbed is very warm. As soon as the plants are out of the seed-leaf, transplant them into shallow boxes or small pots, and when they have acquired sufficient strength, transplant into the flower-beds; not, however, before the middle of May.

GREENHOUSE SEEDS (g) should be sown as directed for Tender Annuals, in pans, pots or shallow boxes, and be kept in the house, carefully watched, slightly watered occasionally, and sheltered from the hot sun till strong enough to transplant. Most varieties may be sown at any season of the year.

The smaller seeds of Greenhouse Plants are sometimes difficult to make germinate unless great care be taken in the mode of sowing. Hence, the supposition arises that the seed itself is not good, whereas the fault is not in the seed, but in the treatment. Fine seeds of this description should be sown in leaf-mold or peat, with some fine sand added to it; press firmly down in the seed-pan or pot, and make perfectly level at the top so that the mold may not afterward sink materially with watering. Sow the seed very thinly and cover *very lightly* with a little compost or with silver sand. Success is more certain if a pane of glass is placed over the pan or box till the plants have appeared, when it should be removed. As soon as the young plants have two leaves, they should be transplanted into similar compost in another pan or box. After transplanting, they should be kept in a shady part of the greenhouse for a few days, and watered very sparingly.

ASTERS, continued

TRUFFAUT'S PÆONY PERFECTION. Grows stiffly erect and about 18 inches tall. Remarkable for the brilliant colors of its great, incurved flowers. Pkt.

Amethyst.....	50840	10
Light Blue.....	50845	10
Crimson.....	50850	10
Rose.....	50855	10
Scarlet.....	50860	10
Snow-White.....	50865	10
Mixed.....	1/4 oz. 75c., oz. \$2.50..	50870 10

VICTORIA, Dwarf. Plants bear from 10 to 20 beautifully reflexed flowers in pyramids of about 18 inches high. The best sort for pot culture. Pkt.

Dark Blue.....	50910	10
Light Blue.....	50915	10
Peach Blossom.....	50920	10
Rose.....	50925	10
Dark Scarlet.....	50930	10
White.....	50935	10
Mixed.....	1/4 oz. 75c., oz. \$2.50..	50940 10

VICTORIA, Tall. Large flowers, recurved petals; a superb class; grows 2 feet. Pkt.

Dark Blue.....	50980	10
Light Blue.....	50985	10

Victoria, Tall, continued

Peach Blossom.....	50990	10
Rose.....	50995	10
Dark Scarlet.....	51000	10
White.....	51005	10
Mixed.....	1/4 oz. 85c., oz. \$3..	51010 10

VARIOUS ASTERS**DAYBREAK.** Shell-pink... 1/4 oz. 85c... 51060 10**LADY ASTER** (Lady in White). Pure white. 51070 25**MIGNON.** Similar to Victoria; very floriferous.

Crimson.....	51080	10
Dark Blue.....	51090	10
Pure White.....	51100	10

PURITY. Snow-white..... 1/4 oz. 85c... 51110 10**VIOLET KING.** Rich violet-purple; large flowers..... 1/4 oz. \$1.. 51120 10**MIXED GERMAN, QUILLED.** oz. 50c.. 51130 05**SINGLE ANNUAL, MIXED.** oz. 25c... 51140 05**Collections of Choice Asters**

These collections are put up by the famous German Aster-growers, and they contain only seed saved from the very finest plants. In each collection the colors are separate, the collection of 24 Victoria Prize, for instance, containing one packet each of 24 separate and distinct colors of that class.

24 Victoria Prize.....	51300	\$1 50
18 " ".....	51310	1 25
12 " ".....	51320	90
6 " ".....	51330	50
24 Truffaut's Perfection.....	51340	1 25
18 " ".....	51350	1 00
12 " ".....	51360	75
6 " ".....	51370	45
6 Branching.....	51380	40
18 Dwarf Chrysanthemum-flowered.....	51420	1 00
12 " ".....	51430	75
6 " ".....	51440	50
12 Pyramidal Dwarf Bouquet.....	51460	75
8 " ".....	51470	50

6 Pyramidal Dwarf Bouquet.....	51480	\$0 40
6 Comet.....	51490	45
12 ".....	51494	80
12 Giant Comet.....	51500	1 00
8 " ".....	51510	75
6 " ".....	51520	50
6 Princess.....	51540	60
12 Large Rose-flowered.....	51550	75
6 " ".....	51560	45
6 Dwarf Queen.....	51570	50
12 Imbricated Pompon.....	51580	60
6 " ".....	51590	40
6 Ball, or Jewel.....	51610	50



ASTER, VIOLET KING



ASTER, PURITY

OUR IMPORTED COLLECTIONS OF ASTERS ARE WELL WORTH A TRIAL

SWEET PEAS (*Lathyrus odoratus*) hA

N. B.—Intending purchasers are strongly advised to order as soon as possible after receipt of catalogue, as, owing to short crops again last year, it will be difficult to replace the seed when our supply is sold.

Through the skill of specialists, the Sweet Pea has become much larger and lovelier than before it became so popular. There are flowers of quite distinct shapes, some of which are a great improvement upon the Sweet Pea of the old type. For garden decoration it is now grown in clumps, and in separate colors. The plants are more robust, dwarf and branching, and bloom more freely, some varieties showing three or four blooms on a stem.

A deep, rich, moist soil is best suited to Sweet Peas, hence a trench should be dug 1½ feet deep and filled with very best loam mixed with bone meal or well-rotted manure. The vines are usually grown in double rows, with a wire trellis or a row of brush between. For each double row make the drills about 12 inches deep, and 9 or 10 inches apart. Sow plentifully, covering about 2 inches deep, and, by degrees, as the vines grow up, fill the trenches with soil, and thin out to about 2 or 3 inches apart. Spring sowings should be made just as early as the ground can be prepared. The earliest flowers are from seed sown in fall, preferably in a dry situation, and 6 to 8 inches deep, giving them level culture. Sweet Peas should not be grown on the same soil year after year. If the location cannot be changed, the soil to the depth and width of a foot or so should be removed and replaced by soil from another part of the garden or grounds. If the soil is in good, rich condition, bone meal is the best fertilizer.

We do not sell less than 1 oz., ¼lb. or ½lb. at the prices quoted per oz., ¼lb., ½lb. and lb. respectively. This applies to all types and to the mixtures

In order to assist our customers in making their selections, we group the different varieties according to color.



SWEET PEA, BLACK KNIGHT SPENCER
(see page 71)

Thorburn's Selected Sweet Peas

Assortment, containing 1 pkt. each of 40 named varieties, OUR SELECTION.....	52000	\$1 75
“ “ “ “ “ 20 “ “ “ “	52010	85
“ “ “ “ “ 10 “ “ “ “	52020	45

NAMED LARGE-FLOWERED (GRANDIFLORA) SWEET PEAS

All five cents per packet, except where quoted otherwise

Light Blue and Lavender

	Per oz.	¼lb.
Countess of Radnor. Lovely delicate mauve.....	52200	\$0 20 \$0 50
Flora Norton. A pure bright blue	52220	20 50
Lady Griseld Hamilton. Beautiful pale lavenderpkt. 10c...	52260	30 75
Mrs. George Higginson, Jr. A distinct pale blue	52280	20 50
Mrs. Walter Wright. Mauve, with bright mauve wings.....	52300	20 50

Dark Blue and Purple

Captain of the Blues. Standard purple, wings bright blue.....	52350	20 50
Countess of Cadogan. Reddish mauve standard, violet-blue wings.....	52370	20 50
Duke of Westminster. Rosy maroon and violet-purple	52390	20 50
Lord Nelson. A fine, rich, bright blue	52410	20 50
Navy Blue. Deep violet-blue	52430	20 50

Claret and Maroon

Black Knight. Fine, self-colored, deep maroonpkt. 10c...	52480	30 75
Black Michael. Dark bronzy chocolate, wings purplish.....	52500	20 50
Othello. Fine, deep maroon	52520	20 50
Shahzada. Dark maroon, shaded purple	52540	30 75

Crimson and Scarlet

Her Majesty. Fine rosy crimson.pkt. 10c...	52610	30 75
King Edward VII. A fine, self-colored, bright crimson.....	52630	20 50
Queen Alexandra. A fine scarlet shade.....	52670	20 50
Salopian. Very fine, sunproof scarlet.....pkt. 10c...	52690	30 75

SWEET PEAS, LARGE-FLOWERED (GRANDIFLORA), continued

Orange and Salmon

		Per oz.	1/4lb.
Bolton's Pink. A soft salmon-orange-pink.....	52740	\$0 20	\$0 50
Evelyn Byatt. A fine, fiery orange-color	52760	20	50
Gorgeous. Very fine orange-salmon.....	pkt. 10c. 52780	30	75
Lady Mary Currie. Orange-pink, shaded rosy lilac	pkt. 10c. 52800	30	75
Miss Willmott. Orange-pink; one of the finest.....	52820	20	50
Sibyl Eckford. Light salmon and buff.....	pkt. 10c. 52840	30	75

Pink (Light Shades)

Lovely. Shell-pink, shaded light rose toward edges	52910	20	50
Prima Donna. Fine, large; soft pink.....	52930	20	50

Pink (Deeper Shades)

Apple Blossom. Bright pink and blush, beautifully shaded.....	pkt. 10c. 52980	30	75
Janet Scott. Deep pink; a fine, large flower	53000	20	50
Katherine Tracy. A fine, brilliant pink.....	53020	20	50
Majestic. A splendid deep pink; self-colored.....	pkt. 10c. 53040	30	75
Royal Rose. Deep pink, wings paler; fine flower.....	53060	20	50

Pink (Rose-Pink)

Hon. F. Bouverie. Standard flesh-pink, wings rosy buff.....	pkt. 10c. 53130	30	75
Prince of Wales. A fine, self-colored rose.....	53170	20	50

Pink and White (Bicolor)

Blanche Ferry, Extra Early. Pink and white; popular sort.....	pkt. 10c. 53220	30	75
Blanche Ferry. Carmine-rose with white wings.....	53240	20	50
Dainty. White with pink edge; fine.....	pkt. 10c. 53260	30	75
Lottie Eckford. Rose and white, faintly edged blue.....	53280	20	50

Striped and Mottled

America. White, striped orange-scarlet.....	53330	20	50
Aurora. White, flaked and striped orange-salmon.....	53350	20	50
Gray Friar. Fine, large; purple striped on white.....	pkt. 10c. 53370	30	75
Helen Pierce. White, mottled bright blue; distinct.....	pkt. 10c. 53390	30	75
Mrs. Joseph Chamberlain. White, striped with rose; fine sort.....	53410	20	50
Prince Olaf. White, striped and mottled with blue.....	53430	20	50
Princess of Wales. Striped mauve on white ground	pkt. 10c. 53450	30	75
Senator. Maroon and violet striped on white.....	pkt. 10c. 53470	30	75

Pure White

Blanche Burpee. Snowy white; a fine, large flower.....	53540	20	50
Dorothy Eckford. A grand pure white.....	pkt. 10c. 53560	30	75
Emily Henderson. A good early white.....	53580	20	50
Mont Blanc. Pure white; of the finest form	pkt. 10c. 53600	30	75
Sadie Burpee. (White-seeded.) One of the largest; pure white	pkt. 10c. 53640	30	75
Sadie Burpee. (Black-seeded.) Pure white, harder than the white-seeded.....	pkt. 10c. 53660	30	75
White Wonder. Double-stemmed; large white flowers.....	53680	20	50

Yellow and Buff

Agnes Johnson. Bright rose-pink, profusely shaded with cream-yellow	53730	20	50
Dora Breadmore. Pale buff-yellow, slightly tinged with pink	53750	20	50
Hon. Mrs. E. Kenyon. Deep primrose-yellow; grand flower.....	53770	20	50
Stella Morse. Primrose, flushed pink; very large flower	53790	20	50

SPENCER VARIETIES

These are noted for their unusually large-sized flowers, and for the waved or fluted appearance of the petals. They are also frequently referred to as "Orchid-flowering" Sweet Peas.

All ten cents per packet, except where quoted otherwise

Blue (Light and Dark Shades)

		Per oz.	1/4lb.
Afterglow. Rich electric shades of blue and rosy mauve; distinct	pkt. 25c. 53870	\$1 00	\$2 50
Asta Ohn. Lavender, tinted mauve; delicate coloring; very large flower.....	53900	40	1 25
Flora Norton Spencer. Bright blue, slightly tinged with purple	53920	40	1 25
Mrs. Charles Foster. Lavender, flushed pale rose.....	53940	40	1 25
Mrs. E. Noakes. Fine lavender, of Spencer form	pkt. 25c. 53950	1 00	
Tennant Spencer. Beautiful purplish mauve, self-colored	53960	40	1 25

SWEET PEAS, SPENCER VARIETIES, continued

Crimson and Maroon

		Per oz.	1/4lb.
Black Knight Spencer. Shining deep maroon; splendid.....	54010	\$0 40	\$1 25
King Edward Spencer. A lovely, self-colored, bright crimson.....	54020	40	1 25
Othello Spencer. An elegant, rich, deep maroon.....	54040	40	1 25

Pink (Light Shades)

Beatrice Spencer. Blush-pink, tinted with deeper pink.....	54090	40	1 25
Countess Spencer. Beautiful, soft rose-pink; one of the best	54110	35	1 00
Elsie Herbert. Creamy white and pink; large flower	54130	40	1 25
Florence Morse. Blush-pink with deeper pink margin	54150	40	1 25
Mrs. Routzahn. Apricot, suffused with blush-pink.....	54170	35	1 00

Pink (Rose-Pink)

Apple Blossom Spencer. Rose standards, blush-rose wings; large flower.....	54220	40	1 25
Elfrida Pearson. Extra-large flowers; pink, tinted with salmon.....pkt. 25c..	54230	65	1 50
George Herbert. Rich salmon-rose-color; splendid.....	54240	40	1 25
John Ingman. Rose-carmine; large, fluted flowers.....	54260	40	1 25
Marjorie Willis. Glowing rose, nicely waved large flowers.....	54280	40	1 25
Rosabelle. Fine, deep rose, with white blotch at base	54290	1 00	2 50

Salmon and Orange

Helen Lewis. A very fine orange-pink; most showy.....	54330	35	1 00
Mrs. Hardcastle Sykes. Beautiful light salmon-pink; large flower.....	54350	40	1 25
Stirling Stent. Large flowers; deep salmon, suffused with orange	54360		

White

Etta Dyke. A white Spencer; of fine form and substance	54400	50	1 50
Rainbow Spencer. Ivory-white, flaked rose	54410	40	1 25
White Spencer. Pure white; large, beautifully waved flower.....	54420	40	1 25

Yellow Shades

Clara Curtis. A beautiful cream-yellow; large, waved flower	54470	40	1 25
Dobbie's Cream. Fine, large; primrose	54480	1 00	
Primrose Spencer. Light primrose-yellow; finest formed flowers	54490	35	1 00

UNWIN VARIETIES

All ten cents per packet

This type has waved and fluted standards, much resembling the Spencers, though entirely distinct.

		Per oz.	1/4lb.
Chrissie Unwin. Cherry-scarlet; fine	54540	\$0 20	\$0 50
E. J. Castle. Carmine-rose; standard shaded salmon.....	54550	30	75
Frank Dolby. Lavender-blue.....	54560	30	75
Gladys Unwin. Pink, exquisite shade.....	54570	30	75
Millie Maslin. Rich rosy crimson, self-colored.....	54580	30	75
Nora Unwin. Pure white; large; open, wavy form.....	54590	30	75
Phyllis Unwin. Deep carmine-rose	54600	30	75

CHRISTMAS SWEET PEAS

All ten cents per packet

These varieties, if sown early in fall indoors, will bloom by Christmas and continue all winter. They may also be sown outdoors in the same way as other sorts for summer-flowering.

		Per oz.	1/4lb.
Angeleno. Self-pink	54650	\$0 35	\$1 00
Christmas Pink.	54660	35	1 00
Christmas White	54670	35	1 00
Christmas Lavender (Mrs. Alex. Wallace)	54680	35	1 00
Earliest of All. Pink and white, resembling Blanche Ferry.....	54690	35	1 00
Mrs. Wm. Sim. Salmon-pink.....	54700	35	1 00

SWEET PEAS IN MIXTURE

	Pkt.	Oz.	1/4lb.	1/2lb.	Lb.
THORBURN'S SPECIAL MIXED. Comprising the finest Eckford and other newest and best, large-flowering (Grandiflora) varieties	\$0 05	\$0 20	\$0 50	\$0 75	\$1 25
Spencer Varieties, Mixed. A very fine assortment of all the best varieties.....	10	35	1 00	1 75	3 00
Unwin Varieties, Mixed. An extra-choice mixture of these beautiful, large, waved and fluted varieties, that so much resemble the Spencers.....	10	25	75	1 25	2 00
Eckford, Mixed. The finest Eckford varieties only.....	05	20	50	75	1 25

PERENNIAL PEAS, see Lathyrus.

LORD ANSON'S PEAS, see Lathyrus.

Selected List of Flower Seeds

We have unquestionably the largest assortment of Flower Seeds in America, and our strains are far superior to those commonly sold, often under fancy names and at fictitious prices. We avoid extravagant descriptions, meant only to effect sales.

There are many minute plants from the finer seeds killed by drenching with water while very young. In the first stage of their existence, plants require moisture in a minute quantity, often repeated, and not in such large quantities as to saturate the soil in which they are growing.

FLOWER SEEDS DELIVERED FREE BY MAIL ON RECEIPT OF THE STATED PRICE. PRICE PER OUNCE OR POUND FOR THOSE NOT QUOTED, ON APPLICATION.

Not less than 1/4oz. or 1 oz. sold at the prices quoted per 1/4oz. or 1 oz. respectively

Explanation of Signs Employed in This List

The asterisk (*) designates *ornamental-leaved* plants. This mark (†) prefixed indicates the *climbers*.

A represents Annual—lasting but one year.

B “ Biennial—lasting two years.

P “ Perennial—lasting three or more years.

E “ Evergreen—retains foliage the entire year.

S represents Shrubs—plants of bushy habit.

G “ greenhouse plants.

Bu “ Bulbous plants.

As a large number of Biennials and Perennials, if sown early, flower the first season from seed, this distinguishing mark (†) is affixed to such.

The hardiness is denoted by the following abbreviations, but it should be understood that this is intended to apply to the climate of the Middle Atlantic States. Farther north or south, these designations apply only in a comparative way.

h represents hardy—plants for open border. hh represents half-hardy—plants that require to be forwarded in pots or frames.

t represents tender—requiring protection.

Customers will find it more convenient to order by number. If ordered from any catalogue other than this (1915), kindly state from which year's catalogue the numbers are taken. This will facilitate the filling of their orders and will insure prompt shipment.

†ABOBRA viridiflora.....55000 10 Pkt.
A pretty tender annual, bearing scarlet fruits, and at its best in late summer and autumn; 6 ft.

ABRONIA umbellata grandiflora (Sand Pkt. Verbena).....55020 10

Handsome, trailing plants, these hardy annuals with large, rose-colored flowers, are especially adapted for vases and rock-gardens, doing best in light, sandy soil. Sow in the open ground in May.

†ABRUS precatorius (Prayer Bean)....55030 5 Pkt.
This attractive climbing greenhouse perennial needs a strong heat for best results. Blossoms light purple.

ABUTILON, Mixed Hybrids (Chinese Bell- Pkt. flower, or Flowering Maple).....55050 25
Greenhouse shrubs of easy culture; continuous blooming. Bell-shaped flowers, very decorative; desirable for house or garden. Grows 3 to 4 ft. in height.

ACACIA (TASSEL TREE). Beautiful greenhouse shrubs, elegant foliage, graceful branches, and fine racemes of richly scented, yellow flowers. Soak the seeds in hot water before sowing, then plant in sandy peat in a temperature of 55 to 60 degrees. Pkt.

armata. 6 ft.....55070 10

Baileyana. 6 to 10 ft.....55090 10

cultriformis. 6 ft.....55110 10

dealbata. 4 ft.....55130 10

decurrens. 6 ft.....55150 5

Farnesiana. 10 ft.....55170 5

lophantha. 10 ft.....55190 5

Melanoxylon. 8 ft.....55210 10

mollissima floribunda. 6 ft.....55230 10

podalyriaefolia. Canary-yellow; fine for cutting.....55250 15

pycnantha. 7 ft.....55270 10

Fine Mixed.....55290 5

ACANTHUS (Bear's Breech). Hardy perennial plants flourishing in almost any soil or situation. Much prized for decorative purposes. Pkt.

mollis. White; 3 ft.....55320 10

spinosus. Purple; 3 ft.....55330 10

ACHILLEA Ptarmica, Double, "The Pearl" 55340 25

Free-blooming hardy perennials. The pure white flowers are borne in clusters on long stems. Fine for florists for cut-flowers; succeeds well in any common garden soil; blooms all summer and fall; 1 1/2 ft. in height.

†ACHIMENES, Best Mixed. Saved from choice collection.....55360 25 Pkt.
A greenhouse perennial. The flowers are of most brilliant colors and borne in great profusion; 1 1/2 ft.

ACONITUM. Hardy perennial plant, with showy panicles of helmet-shaped flowers; does well in shady places or under trees; 4 ft. Pkt.

Napellus (Monk's Hood). Blue.....55380 10

pyramidatum. Blue.....55400 10

ACROCLINIUM. Showy, half-hardy annuals for the summer garden, with everlasting flowers, which are much used for winter decorations. Flower-heads, to be preserved, should be gathered when young; 1 ft. Pkt.

roseum. Rose.....55430 5

“ album. White.....55450 5

“ Mixed.....55470 5

“ Double Rose.....55490 5

“ Double White.....55510 5

“ Double Mixed.....55530 5

ADENOPHORA Potanini (Gland Bellflower) 55560 10

Pretty, hardy perennial border plants, with beautiful, light blue, drooping flowers, blooming well into the autumn; 1 1/2 ft.

†ADLUMIA cirrhosa (Mountain Fringe, Allegheny Vine).....55580 10 Pkt.

An interesting, hardy perennial climbing vine, with beautiful, dark rose flowers and delicate foliage; 15 ft.

ADONIS. Both the annual and perennial varieties are, with their bright flowers, great favorites in the flower-garden. All succeed well in any common soil. Pkt.

autumnalis (hA). Crimson. Fall blooming; 1 ft.....oz. 25c.....55600 5

æstivalis (Flos Adonis) (hA). Scarlet; 1 1/2 ft. oz. 25c.....55620 5

vernalis (Ox-eye) (hP). Bright yellow. Spring blooming; 1 ft.....55640 5

AGAPANTHUS umbellatus (African Lily). 55660 10

Showy plants, producing large clusters of bright blue flowers. Nearly hardy, and will thrive anywhere; in pots or tubs on the lawn, piazza, or in the greenhouse. In bloom during summer and autumn; 3 ft. Pkt.

AGATHÆA cœlestis (Blue Daisy)....55680 25

A tender perennial with beautiful blue flowers; fine pot-plant for winter blooming in conservatory; 1 ft.

AGERATUM. For strengthening the garden's color-forces in blue, no annual is so good as the Ageratum. Though ordinarily used in bedding and borders, in contrast with such plants as geraniums, perillas, etc., the rose, white and blue sorts are exceedingly attractive when mingled with alyssum, candytuft, etc. They grow well almost anywhere and bloom the whole season. The dwarf blue sorts make fine borders. Sow under glass early in the season or, later, outdoors in a mellow seed-bed. Seeds sown in August will produce good plants for winter flowering.

conspicuum. This and the next are tender annuals; sow early; flowers white; 1 ft. Pkt.
55700 10

Lasseauxi. Clusters of handsome rose-colored flowers; 1 ft. 55720 10

mexicanum (hA). **Blue.** Parent of the annuals below; 1 ½ ft. 55730 5

Blue Perfection. Fine dwarf variety, with large flowers; 9 in.; splendid. 55740 10

Dwarf Blue. 9 in.; fine for edgings. 55750 5

Dwarf White, Large-flowered. Splendid; 9 in. 55760 10

Imperial Dwarf Blue. Excellent for edgings; 9 in. 55770 10

Imperial Dwarf White. Excellent for edgings; 9 in. 55780 10

Little Dorrit. Azure-blue. Plants 6 in. high, 1 ft. wide. 55790 10

Little Dorrit, Yellow. Distinct and pretty sort. 55800 5

Little Blue Star. Bright blue flowers; fine for carpet-bedding; 5 in. 55810 25

Swanley Blue. A fine, large-flowered sort; 1 ft. 55820 5

Princess Victoria Louise. Dwarf; light blue, white center; 9 in. 55830 10

AGROSTEMMA. All of easiest cultivation, blooming during summer and autumn. The "Rose of Heaven" is very free-flowering, and fine for cut-flowers. The "Rose Campion" is excellent for naturalizing in dry situations. Pkt.

Coeli-rosa (Rose of Heaven) (hA). Rose; 1 ½ ft. 55860 5

" **alba** (hA). White; 1 ½ ft. 55870 5

† **coronaria** (Rose Campion) (hP). Rose; 2 ft. 55880 5

† " **Dark Blood-Red** (hP). 2 ft. 55890 10

† " **White** (hP). 2 ft. 55900 5

† " **Mixed** (hP). 2 ft. oz. 30c. 55910 5

† **Flos-Jovis** (Flower of Jove) (hP). Rose; 1 ft. 55920 5

ALONSOA (Mask Flower). Bright, little, free-flowering annuals of fine habit; require some protection in cold weather. Bloom continuously all through the season. 1 ½ to 2 ft. Pkt.

albiflora. White. 55950 5

grandiflora. Scarlet. 55960 5

linifolia. Scarlet. 55970 5

Warscewiczii. Scarlet. 55980 5

ALSINE pinifolia. White. 56000 10

Hardy perennial, excellent for edgings. Thrives in shady places and blooms continually; 6 inches.

ALSTREMERIA (Peruvian Lily). Lily-like hardy perennial. Blooms all summer; 3 ft. Pkt.

pulchella. Brilliant yellow with red streaks. 56020 10

Mixed. 56030 10

ALTHÆA rosea. See Hollyhock.

ALYSSUM. Most popular, free-blooming annuals; suitable for borders, baskets, pots, rockwork, and for cutting. In the garden sow thickly, so as to form masses, early in spring or even the previous autumn. For winter bloom, sow late in August, and thin the seedlings to about a dozen for a good-sized basket. Cut back after the first flowers fade and others will come.

ALYSSUM, continued

maritimum. (Sweet Alyssum) (hA). Fragrant white flowers, in clusters; all summer; 1 ft. oz. 30c. 56050 5

compactum, Little Gem. Grows erect; 6 in. ¼ oz. 20c., oz. 50c. 56060 10

procumbens, White Carpet. Of trailing habit, forming a dense mass. 56070 10

¼ oz. 20c., oz. 60c. 56080 10

Thorburn's Bouquet. Very dwarf and compact; for pots and borders; 3 in. ¼ oz. 30c. 56090 15

saxatile compactum (Gold Dust) (hP). Single plants cover a square foot in a year and produce hundreds of yellow flower-heads. Grayish foliage; 1 ft. 56090 5

argenteum. Similar to the above, but more dwarf; 6 in. 56100 10

* **AMARANTUS.** Strong-growing, highly ornamental tender annuals. The tricolor varieties are very valuable for bedding, having elegant ornamental foliage, variegated crimson, yellow and green; also well adapted for growing in pots. Of easy culture, doing best in rich loam soil. For best results, sow in hotbed in April and plant out the end of May. Please note that seed saved from the finest sorts frequently produces inferior plants. Pkt.

* **abyssinicus.** Dark red; 3 ft. 56140 5

* **bicolor ruber.** Red; 2 ft. 56150 5

* **cruentus** (Prince's Feather). Dark red; 3 ft. 56160 5

* **caudatus** (Love-Lies-Bleeding). Dark red; 3 ft. oz. 25c. 56170 5

* **coleifolius** (superbus). Dark red; 3 ft. 56180 5

* **Henderi.** Crimson and yellow; 4 ft. 56190 5

* **melancholicus ruber.** Red; 2 ½ ft. 56200 5

* **salicifolius** (Fountain Plant). Purple; 2 ½ ft. 56210 10

* **tricolor** (Joseph's Coat). Variegated; 2 ½ ft. oz. 30c. 56220 5

* " **giganteus.** Variegated; 6 ft. 56230 5

* " **splendens.** Variegated; 3 ft. 56240 10

* **Fine Mixed.** oz. 25c. 56250 5

AMETHYST. See Browallia.



AGERATUM CONSPICUUM

- AMMOBIUM alatum grandiflorum.** White. Pkt. 5
56280
Pretty half-hardy perennial Everlastings. Of easiest culture, bloom all summer; 2 ft. Pkt.
- ANAGALLIS grandiflora, Mixed** (Pimpernelle)..... 56300 5
Half-hardy annuals of easy culture. Fine for borders, or rockwork. Continuously in bloom; 6 in.
- ANCHUSA.** Both the annual and perennial varieties of this attractive plant succeed well in the garden border. Fine for cut-flowers and bouquets. Pkt.
- Barrel'ari** (hP). Dark-blue; 2 ft.... 56320 10
- capensis** (Cape Forget-me-not) (hhA). Azure-blue; 1 ½ ft..... 56330 10
- italica, Dropmore variety** (hP). Blue; 3 ft..... 56340 10
- ANEMONE (WINDFLOWER).** Free-flowering hardy perennials, producing large, cup-shaped flowers. Invaluable for cutting and bouquets through the spring and early summer; require rich, deep soil; 1 to 2 ft. Pkt.
- coronaria** (St. Brigid Poppy-flowered). Mixed..... 56360 10
- Caen, Mixed**..... 56370 10
- japonica rosea.** Rose..... 56380 25
- " alba.** White..... 56390 25
- sylvestris.** White..... 56400 10
- †**ANGELONIA grandiflora.** Purple... 56420 25
Elegant greenhouse perennial; fine for pots; sweet-scented; 1 ft.
- ANTHEMIS.** A very pretty plant, producing all summer daisy-like, golden yellow flowers; fine for cutting. Pkt.
- arabica** (Rock Chamomile) (hA). 1 ft. 56450 5
- Kelwayi tinctoria** (hP). Fine, large flowers on good stems; 2 ft. 56460 10
- †**ANTIGONON leptopus**..... 56470 5
Greenhouse perennial climber with pink flowers.
- ANTIRRHINUM.** See Snapdragon.
- AQUILEGIA (COLUMBINE).** Few hardy perennials are so easily grown from seed, and will give such unalloyed satisfaction. A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow seed in the open ground in spring, preferably where the plants are to grow, and thin to about a foot apart. Sow in the fall for flowering the following season. They thrive well under ordinary garden culture, but such rare sorts as *A. cœrulea* and *A. chrysantha* do best in partially shaded, well-drained nooks.
- AQUILEGIA, continued**
- californica hybrida.** Orange-red and yellow; splendid; 2 ft..... 56500 25
- canadensis.** Scarlet and yellow; for shade; 1 ½ ft..... 56510 10
- chrysantha.** Golden yellow; flowers large, long-spurred; 3 ft..... 56520 25
- cœrulea** (Rocky Mountain Blue Columbine). One of the most beautiful of our native flowers. Sepals blue, petals white; 3 ft.... 56530 15
- " hybrida.** Large-flowered, long-spurred hybrids..... 56540 15
- flabellata nana alba.** White flowers; early; 1 ft..... 56550 10
- glandulosa vera.** One of the handsomest hardy perennials; stems 2 feet high, with sometimes 50 to 80 blossoms 3 inches in diameter, of the deepest blue, with white corolla; a splendid flower;..... 56560 50
- Jätschauli.** Large-flowered, yellow; long, red spurs; 2 ft..... 56570 10
- Long-spurred Hybrids, Mrs. Scott Elliott's Strain.** Magnificent hybrids in the greatest variety of colors and shades; one of the finest strains; 2 ft..... 56580 25
- Skinneri** (Mexican Columbine). Very handsome and distinct; spurs and sepals long; crimson and green; 3 ft..... 56590 25
- truncata.** Dwarf; scarlet and yellow; 1 ft. 56600 10
- vulgaris, Double White.** Showy and lasting; 2 ft..... 56610 10
- " Double Mixed.** Best colors 56620 5
- " Single Mixed.** Many good sorts. 56630 5
- Collection of Aquilegia, including 12 choice varieties**..... 56640 50
- ARABIS.** An interesting, early flowering hardy perennial, adapted for ornamental rockwork and edgings. Pkt.
- alpina** (Rock Cress). White; 9 in.... 56660 10
- rosea.** Rose; a rare species; 6 in. 56670 25
- ARCTOTIS grandis.** White and lilac; 2 ft. 56680 10
The large daisy-like blooms of this fine hardy annual, are excellent for cutting. Pkt.
- ARDISIA crenulata.** 5 ft..... 56690 25
Fine decorative greenhouse plant, with evergreen foliage; bearing bright coral-red berries.
- ARGEMONE.** Easily grown, showy, hardy annuals with poppy-like flowers; blooming through the summer and autumn; 2 to 3 ft. Pkt.
- grandiflora.** White..... 56720 5
- " lutea.** Yellow..... 56730 5
- †**ARISTOLOCHIA.** Beautiful, strong-growing climbers, for both greenhouse and open ground; grow finely all summer. Pkt.
- elegans** (gP). Purple-and-white; 20 ft. 56750 25
- Sipho** (hP). The "Dutchman's Pipe" vine; 30 ft..... 56760 25
- ARNEBIA cornuta.** Rich yellow, spotted dark brown..... 56780 25
Ornamental, free-flowering half-hardy annual; fine all the season; 1 ft.
- ASCLEPIAS.** Showy plants, including both greenhouse and hardy perennials, growing 2 to 3 ft. in height and blooming throughout the summer. Pkt.
- Curassavica** (Swallow-wort) (gP). Orange; free-bloomer..... 56810 10
- " atrosanguinea.** Dark red. 56820 10
- incarnata** (Swamp Milkweed) (hP). Rose-pink..... 56830 10
- tuberosa** (hP). Orange; very fine... 56840 10



AQUILEGIA, LONG-SPURRED HYBRIDS

ASPARAGUS. Beautiful, fern-like foliage; fine for bouquets; an excellent house plant; white flowers; 4 to 6 ft.

plumosus nanus (gP). The dwarf variety so largely used by florists. Pkt. 10

" **Hatcheri** (gP). Variety of *Plumosus nanus* style; a great improvement; 6 ft. 56870 25

scandens deflexus (gP) 56880 25

Sprengeri (gP). Fine for basket-work and for use with cut-flowers. 56890 10

ASPERULA. Sweet-scented, pretty plants, for borders or rockwork; succeed finely in shady places or under trees; continuous in bloom; 1 ft. Pkt.

azurea setosa (hhA). Light blue. 56920 5

odorata (Sweet Woodruff; Waldmeister) (hP). White. 56930 10

ASTERS. See pages 67 and 68.

ASTILBE. See *Spiraea*.

AUBRIETIA. Hardy perennial trailers for beds, rockwork or herbaceous borders. Resemble *Alyssum* in character. Pkt.

deltoides. Lilac; very pretty. 56960 25

Eyrii. Violet; very large flowers. 56970 25

græca. Blue; charming. 56980 10

Leichtlinii. Rosy carmine; fine. 56990 25

AURICULA (*Primula auricula*) (hP). **Finest Mixed.** Beautiful shades of color. 57020 25

These early spring-blooming garden Primroses are great favorites; 6 in. Pkt.

AZALEA hybrida indica. Mixed. 57050 25

We offer seeds saved from the finest varieties of this well-known evergreen shrub; 2 ft.

BACHELOR'S BUTTON. See *Centaurea* and *Gomphrena*.

BALLOON VINE (*Cardiospermum*) Pkt. 5
oz. 25c. 57080

A pretty and fast-growing, half-hardy annual climber, with white blossoms; 10 ft.

BALSAM (*LADY'S-SLIPPER*). These favorite half-hardy annuals are of the easiest culture, but love hot sun, rich soil and plenty of water. The young plants are quick, sure growers, and, from seed sown in the open ground in May, soon form handsome bushes thickly massed with large, rose-like flowers. Transplanting two or three times has a tendency to dwarf the plants into better shape and to make the flowers more double. Balsams are not often given room for perfect development; they will easily cover 12 to 18 inches of space each way. For the finest flowers, choice seed is more than usually essential. We offer only the finest *double* sorts; 1½ ft. Pkt.

Double Bright Scarlet. 57100 10

" **Carmine.** 57110 10

" **Lavender.** 57120 10

" **Peach Blossom.** 57130 10

" **Red, Spotted White.** 57140 10

" **Rose.** 57150 10

" **White.** 57160 10

Camellia-flowered, White. Flowers of extra size, double and full centered, with reflexed petals. The plant grows rapidly to a good height and is extremely floriferous. 57170 10

Camellia-flowered, Mixed. Best colors. 57190 10

Finest Double, Mixed. A splendid assortment. ¼oz. 30c. 57200 10

Collections of Balsams, including—

6 vars. Improved Camellia-flowered. 57240 40

12 vars. Double Rose-flowered. 57250 60

6 vars. Double Rose-flowered. 57260 35

BALSAM APPLE and PEAR. See *Momordica*.

BANANA. See *Musa Ensete*.

BAPTISIA australis (False Indigo). Light Pkt. blue. 57280 5

Very beautiful, strong-growing and ornamental hardy perennial border plant for summer blooming; 3 ft. Pkt.

BARTONIA aurea. Golden yellow. 57300 5

Beautiful hardy annuals that bloom all through the season; very fragrant in the evening; 3 ft.

***BEET, ORNAMENTAL-LEAVED.** Hardy annuals; have no tubers; prized for their handsome ornamental foliage of very rich and beautiful colors. Very effective in mixed beds or borders, or anywhere in contrast with other plants; 1½ ft. Pkt.

***Brazilian Golden-veined.** oz. 20c. 57340 5

* " **Scarlet-veined.** .oz. 20c. 57350 5

* " **Crimson-veined.** .oz. 20c. 57360 5

***Chilian Scarlet-ribbed.** .oz. 20c. 57370 5

* " **Yellow-ribbed.** .oz. 20c. 57380 5

***Dracæna-leaved.** Fine, shining, dark-red foliage. oz. 20c. 57390 5

***Victoria.** Glossy purplish blood-red foliage. oz. 20c. 57410 5

BEGONIA (gP). Begonias are invaluable for growing in beds and borders, also for pot culture, being perfect in habit, with very handsome foliage. Average height about 1 ft. The tuberous-rooted varieties produce gorgeous effects in the garden and are one of our best summer-blooming plants. The seeds of all varieties should be started early. Pkt.

Single Tuberous-rooted, Mixed. 57420 25

Double Tuberous-rooted, Mixed. 57430 50

Fringed Single Tuberous-rooted, Mixed. 57440 25

Double Tuberous-rooted Camellia-flowered, Mixed. Fine, large, double flowers of various colors and bright foliage; blooms profusely. 57450 50

gracilis luminosa. Dark scarlet, reddish-brown foliage; winter flowering; fine for pots. 57460 25

metallica. Metallic foliage, rose flowers; winter blooming; 2 ft. 57470 75

***Rex.** Ornamental-leaved varieties in mixture. 57480 25



BEGONIA, continued

semperflorens rosea. Rose-colored flowers; fine for edging.....	57500	Pkt. 25
“ alba. White flowers borne in profusion.....	57510	25
“ Erfordii. Rosy carmine; fine for groups.....	57520	25
“ foliis aureis. Scarlet; yellow leaves; for edgings.....	57530	25
“ Vernon. Red; for borders.....	57540	25
“ Vernon Bijou. Bright scarlet; 6 in.....	57550	25
“ Zulu King. Scarlet; blackish leaves.....	57560	25
“ Mixed	57570	25

Collections of Begonias, including—

12 varieties of Tuberous-rooted.....	57580	I 50
6 varieties of Tuberous-rooted.....	57590	85

BELLIS perennis. Sec Daisy.

BENINCASA cerifera (tA).....	57610	10
A black, wax-like gourd with yellow flowers; 6 ft.		

BIDENS atrosanguinea (hA).....	57630	10
Showy, like the calliopsis; easily grown; flowers dark red; 2 ft.		

BLAZING STAR. See *Liatris*.**BLUE BOTTLE.** See *Centaurea Cyanus*.

*BOCCONIA japonica	57650	Pkt. 10
A very ornamental hardy perennial, fine in large beds; flowers white; 6 ft.		

BOLTONIA latisquama	57670	Pkt. 10
Tall and leafy hardy perennial, with pink aster-like flowers. In bloom until late in season; easily grown; 3 ft.		

BOUVARDIA Jacquinii (gP).....	57690	Pkt. 25
A fine greenhouse evergreen; flowers scarlet; 2 ft.		

BRACHYCOME. The well-known “Swan River Daisy” is a beautiful little half-hardy annual; blooms all summer; fine for edgings and borders. Should be started in hotbed; 1 ft. Pkt.

iberidifolia. Blue.....	57710	10
“ alba. White.....	57720	10
“ rosea. Rose.....	57730	10
“ Mixed	57740	10



COREOPSIS GRANDIFLORA (see page 77)

BROWALLIA (Amethyst). Half-hardy, profuse-blooming annual; highly prized for summer bedding or as greenhouse plants. Fine for cutting; 2 ft. Pkt.

elata. Blue.....	57780	10
“ alba. White.....	57790	10
“ Mixed	57800	10

Roezii. White and pale blue; fine for pots..... 57810 25

speciosa major. Blue; winter blooming. 57820 25

†**BRYONOPSIS laciniosa erythrocarpa** (tA)..... 57830 5
A very pretty ornamental gourd, with red flowers.

BUPHTHALMUM cordifolium..... 57850 5
A showy and ornamental hardy perennial; yellow flowers; 1 ft.

CACALIA (Tassel Flower). Very pretty and most easily grown hardy annual, with tassel-shaped flowers; 1½ ft. Pkt.

coccinea. Scarlet.....	57880	5
“ lutea. Orange.....	57890	5

CACTUS (hhP). Mixed varieties 57900 25
Seeds of these interesting plants should be started in the greenhouse in moist sand.

†**CALAMPELIS scabra** (thP)..... 57920 10
Fine climber for trellises; flowers orange-scarlet; 10 ft.

CALANDRINIA. Brightly colored, little hardy annuals, fine for edgings; continuously in bloom, and do well in sunny situations; 6 in. Pkt.

Burridgi. Rose.....	57940	5
speciosa. Purple.....	57950	5
umbellata. Violet.....	57960	10

CALCEOLARIA. A splendid race of greenhouse biennials, natives of Chili. The beautifully striped, blotched and variegated masses of flowers are almost indescribable. For culture see directions for greenhouse seeds, page 66. Place in a cool greenhouse in the winter. Our seeds are saved from the finest varieties. Pkt.

hybrida. Large-flowered; self-colored; 2 ft. 57990 25

“ Large-flowered; tigered or spotted; 2 ft..... 58000 25

“ Large-flowered; dwarf; tigered; 1 ft..... 58010 25

“ Large-flowered; tigered and self-colored; 2 ft..... 58020 25

rugosa, Mixed. Finest shrubby varieties for bedding; bear a profusion of beautiful flowers of various colors; 1 ft..... 58060 25

pinnata (hA). Yellow; for bedding; 1 ft. 58080 15

scabiosæfolia (californica) (hA). Yellow; for bedding; 1 ft..... 58100 10

CALENDULA. Hardy annuals about a foot high. Sow in the open ground early in spring, and the plants will bloom early in summer, continuing until late in autumn. The flowers are produced in great profusion, and are strongly effective in beds, borders or backgrounds. The dried flowers are sometimes used for flavoring soups and stews. Pkt.

officinalis fl. pl. grandiflora. Double; large-flowered; deep orange... 58160 5

“ **fl. pl. grandiflora sulphurea.** Double; light yellow; large-flowered..... 58170 5

“ **Nankeen.** A rich, soft shade of nankeen-yellow; large flowers. 58180 5

“ **Meteor.** Creamy center, edged with orange; fine for cutting. oz. 25c... 58190 5

“ **Prince of Orange.** Glittering orange and yellow; one of the best.....oz. 25c... 58200 5

CALENDULA, continued

officinalis ranunculoides (Garden Marigold). Orange; double flowers.	58210	Pkt. 5
pluvialis (Cape Marigold). White or ivory.	58220	5
Pongei fl. pl. Handsome, double, white flowers.	58230	5
Mixed, All Sortsoz. 25c.	58240	5

See, also, Marigold.

CALLA æthiopica (gP). The old favorite white Calla; 2 ft.	58270	10
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CALLIOPSIS. This hardy annual is another of the garden's great forces in yellow, strengthened with rich red-maroons and browns. Sow in the open ground in spring, and, in thinning or transplanting, give the plants plenty of room to spread. Their tall, slender habit makes neat staking and tying necessary. Fine for cutting. Pkt.

bicolor (tinctoria). Yellow-brown; 2 ft.	58290	5
“ hybrida fl. pl. Double; mixed; 1 ft.	58300	5
“ marmorata. Maroon and gold; 1½ ft.	58310	5
“ nana radiata (Ray of Gold). Golden yellow flowers; 6 to 8 in.	58320	10
cardaminifolia hybrida. Red and yellow; 1½ ft.	58330	5
coronata. Yellow; very fine; 1½ ft.	58340	5
Drummondii (Golden Wave). Golden brown; 1 ft.oz. 30c.	58350	5
hybrida superba. Very showy hybrids in great variety.	58360	10
Mixed Annual Sortsoz. 25c.	58370	5
Collection of Calliopsis , including 10 varieties.	58380	40

†**COREOPSIS** (Perennial Calliopsis). One of our finest hardy perennials; bloom practically all summer; fine for borders and groups. Pkt.

grandiflora. Large flowers of rich yellow; 2 ft.	58400	10
lanceolata grandiflora. Large, golden yellow flowers; fine for cutting.	58410	10
“ California Sunbeams. Flowers very large, in a great variety of beautiful forms and various shades of yellow and brown; 1 ft.	58420	10

CALLIRHOE involucrata (Creeping Mallow) (hP). A pretty trailing plant; blooms all season; flowers crimson. 58450 | 5 |

pedata (Poppy Mallow) (hA). Free-flowering, erect-growing variety; rosy carmine; 2 ft.	58460	5
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CAMELLIA japonica (gP). See Tree Seeds, page 63.

CAMPANULA (CANTERBURY BELLS).

Popular and beautiful plants of easy culture and, when planted in quantity, they are glorious. Sow seeds of biennials outdoors early in July, and thin or transplant to temporary quarters until October. Transplant, then, 6 to 8 inches apart, in a coldframe, where they will make large plants by spring. Transplant in spring, 18 to 20 inches apart, in beds where they are to bloom. By midsummer they will flower most profusely. All the varieties like a rich, sandy soil with good drainage. Pkt.

amabilis (hP). Light blue flowers, nearly 2 inches in diameter, on stems 2 to 3 feet high; grows very strong and bears a profusion of flowers.	58520	25
carpatica (hP). Deep blue; for rockeries, beds and edgings; 6 in.	58530	10
“ alba. Flowers white; 6 in.	58540	10

CAMPANULA, continued

Medium, Single Blue (Canterbury Bells) (hB). Blooms first year if sown early; 2 ft.	58560	5
“ Single White. Pretty for contrasts.	58570	5
“ Single Rose	58580	10
“ Single Striped. Very fine.	58590	10
“ Single Mixed	58600	5

Medium Double Pkt.

Blue. Rich, heavy, curious flowers through summer and fall. 58610 | 10 |

Medium Double

White. Waxy appearance. 58620 | 10 |

Medium Double

Rose ... 58630 | 15 |

Medium Double

Mixed ... 58640 | 10 |

Medium caly-

cant hema | |

(Cup- and-Saucer) (hB). | |

Blue; symmetrical; often has 35 | |

to 40 flowers | |

open at the | |

same time on a | |

single plant. For | |

pots or borders; | |

2 ft. 58650 | 10 |

Medium caly-

cant hema | |

alba. A white | |

flowered variety of the above 58660 | 15 |

Medium calycanthema rosea.

Rose; a | |

very fine sort. 58670 | 15 |

“ **calycanthema, Mixed.** Shades | |

of blue and white. 58680 | 10 |

“ **Prize Mixture** of all colors, | |

Single and Double and Caly- | |

canthemas; an unequaled | |

strain. 58700 | 15 |

Loreyi, Blue.

Large flowers; very pretty | |

hardy annual. 58740 | 10 |

macrostyla (hA).

Large, lovely violet | |

flowers; 3 ft. 58750 | 10 |

nobilis alba (hP).

White; semi-double; | |

June; 2½ ft. 58760 | 25 |

persicifolia grandiflora, Blue (hP).

Superb, large flowers and long, | |

narrow, peach-like foliage. | |

For finest effects plant the | |

blue and white varieties to- | |

gether; 2 to 4 ft. June and | |

July. 58770 | 25 |

“ **grandiflora alba.** A white- | |

flowered variety of the above | |

growing to the same height. | |

“ **grandiflora, Fine Mixed**.... 58780 | 25 |

“ **grandiflora, Fine Mixed**.... 58790 | 25 |

pyramidalis (Chimney Bellflower) (hhP).

Spikes 3 to 4 ft. tall, erect, | |

pyramidal; flowers large | |

and of a beautiful blue; | |

blooms in late summer and | |

autumn. 58800 | 10 |

“ **alba.** White. 58810 | 10 |



CAMPANULA MEDIUM SINGLE WHITE

- CAMPANULA**, continued
- grandiflora Mariesii** (hP). A fine, dwarf, dark blue variety, growing 1 ft. high.....**58820** 10
- " **Mariesii macranthum** (hP). Dwarf habit; rarely exceeds 3 ft. in height; bright blue flowers 3 to 5 inches across, borne in profusion; lives eight to ten years.....**58830** 10
- Vidali** (gP). White; very floriferous and handsome; 2 ft.....**58840** 15
- Collection of Campanulas**, including 12 varieties, choicest perennial sorts...**58850** 60
- †**CANARY-BIRD FLOWER** (*Tropæolum canariense*).....**58860** 10
- Also known as "Canary Creeper." Fine half-hardy annual; yellow flowers; 10 ft.

CANDYTUFT (Iberis). The Candytufts are among our best hardy annuals for edgings, bedding, massing or rockeries, and for cutting. Several of the varieties are fragrant, and all are profuse in bloom. Sow outdoors in April, and thin well when the plants grow about an inch. Sow again in a month, and late in July for fall flowers. Give rich soil, and water freely.

- affinis**. Neat and pretty bedder; 6 in.....**58870** 5
- amara**. White; 1 ft.....oz. 30c...**58875** 5
- coronaria** (Rocket Candytuft). Of candelabra form; flowers in upright spikes.....oz. 30c...**58880** 5
- " **Empress**. White; 1 ft.....**58885** 5
- " **Giant Hyacinth-flowered**. White flowers borne in large trusses.....**58890** 5
- " **Little Prince**. Very large heads of pure white flowers; fine for border and pots; 6 in....**58895** 10
- odorata**. Small, white, fragrant flowers. **58900** 5
- umbellata**. Purple; 1 ft.....**58905** 5
- " **carminia**. Bright carmine; 1 ft.....**58910** 10
- " **carnea**. Flesh-colored; 1 ft. **58915** 5
- " **Dunnetti**. Dark crimson; 1 ft.....**58920** 5
- " **lilacina**. Lilac; 1 ft....**58925** 5



CARNATION, THORBURN'S MARGARET

- CANDYTUFT**, continued
- umbellata, Queen of Italy**. Dwarf; erect; fine pink flowers; 6 in.....**58930** 10
- " **Dwarf Hybrids**. Mixed colors; 6 in.....**58935** 10
- Mixed Annual Sorts**.....oz. 25c...**58940** 5
- Collection of Candytuft**, including 6 varieties choicest annual sorts....**58960** 30
- PERENNIAL CANDYTUFT**. Hardy, evergreen plants, making a magnificent showing the second year from seed. They bloom very early, cushioning rock ledges, borders, etc., with banks of bloom. Sow outdoors in spring or fall in any sunny place. Pkt.
- gibraltarica**. Beautiful blush-white; flowers are borne in large trusses; 1 ft.....**58980** 15
- sempervirens**. White flowers remain fresh nearly a month; 1 ft.....**58990** 15
- sempervirens**. A handsome but somewhat delicate evergreen perennial, with large, pure white, sweet-scented flowers. Not suitable for border culture, though hardy enough to stand our winters when grown at the foot of a south wall or in a very sunny corner of the rock-garden. **59000** 15
- ***CANNA** (Indian Shot) (hhP). One of our best bedding plants; beautiful, ornamental foliage and large, brilliant flowers. Much employed in subtropical gardening, groups on lawns and mixed flower-beds. Soak the seed before planting; 4 ft. Pkt.
- ***Dark-leaved Sorts**. Mixed varieties.**59030** 5
- ***Queen Charlotte**. Scarlet and yellow.**59040** 10
- ***Finest Mixed**. Crozy's hybrids; very fine. **59050** 5
- CANNABIS gigantea** (Giant Hemp) (hhA). **59070** 5
- A fine foliage plant for borders. 8 ft.
- CANTERBURY BELLS**. See Campanula.
- CARDUUS benedictus** (Blessed Thistle). **59090** 5
- An ornamental hardy annual; large, variegated leaves; flowers yellow; fine for edgings; 2 ft.
- CARNATION** (*Dianthus Caryophyllus*). The splendid Carnation of the florist is a very interesting plant to grow from seed, and it is not over-exacting. Sown under glass in early spring, or later in the open ground, the plants will flower finely the second summer. For largest, richest flowers, we recommend culture in pots of rich soil. With many they are also garden favorites, and, grown in this way, flowers of good quality may be enjoyed all summer if given plenty of water, good soil and a mulch about their roots. With tall varieties, staking and tying is necessary. Young plants are perfectly hardy outdoors, but when two or three years old they are injured by winter cold, so that sowings should be made every year. *The more expensive sorts produce the finest flowers. The prices we quote, although seemingly high, are most reasonable for strains such as we offer.*
- MARGARET CARNATIONS** are an extra-vigorous race, especially adapted for outdoor culture. They are very neat in habit, and remarkable for their rich profusion of flowers, produced in five months from sowing. Grown as annuals from seed sown every spring, they are most satisfactory. Our seed of these varieties is grown exclusively in the famous Chabaud Garden of Carnations, Provence, France. Pkt.
- Double White**. Large, perfect flowers; 1 ½ ft.....**59120** 10
- Double Yellow**. A clear, soft shade; 1 ½ ft.....**59130** 25
- Double Mixed**. 1 ½ to 2 ft. oz. \$1.50...**59140** 10
- Giant Margaret**. Extra large and perfect, flowering in a rich variety of colors; 80 per cent of the flowers generally come double. A splendid sort for cutting; 1 ft.....**59150** 25

CARNATION, continued

PERPETUAL CARNATIONS. This race has large, elegantly formed flowers, continually abloom upon closely branched, symmetrical plants, often called, from their neat habit, "Tree Carnations." Pkt.

Chabaud Perpetual Double. Mixed—yellow, red, white, etc.; 1½ ft. Blooms in six months.....59160 25

Marie Chabaud. Pure canary-yellow; the most beautiful and most fragrant yellow.....59170 50

Comtesse de Paris. Very dwarf; yellow; comes true from seed.....59180 50

Jeanne Dionis. Enormous flowers of the purest white and most perfect form. 59190 75

Sparkling (Etincelant). Large flowers of bright, glittering red of surpassing richness.....59200 50

Giant Perpetual White. Very large, perfectly double; flowers in seven months after sowing. 59220 50

" " **Yellow.** Creamy to golden yellow; 80 per cent come true to color; stems long and sturdy....59230 50

" " **Fine Mixed.** Enormous flowers; perfectly double; splendid colors....59240 50

BORDER CARNATIONS, ETC. We invite attention to the splendid collection below: Pkt.

Red Grenadine, Double. Brilliant scarlet; 2 ft.....59270 25

Early Dwarf Vienna, Double Mixed. Fine for garden culture and for cutting; 1 ft. 59290 15

" " " **Double White.** Very fine; always comes true white....59300 15

Fine Double Mixed, Variegated. Splendid mixture....59340 15

" " " **Self-colored.** 59350 15

Double Mixed.....59370 10

Collections of Carnations, including—

50 varieties.....59390 3 00

25 varieties.....59400 1 50

18 varieties.....59410 1 25

12 varieties.....59420 85

6 varieties.....59430 60

CASSIA artemisioides (Senna). (gP).....59450 15

A very pretty shrub, with finely cut, silvery foliage and yellow flowers; sweet-scented; will stand drought very well; 4 ft. Pkt.

CASTILLEJA indivisa.....59460 25

Easily grown ornamental, hardy annual, brilliant all summer with crimson bracts. 1½ ft.

CASTOR-OIL PLANT. See Ricinus.

CATANANCHE. Pretty hardy perennials with Everlasting flowers. Free-flowering; easily grown, blooming first season; 2 ft. Pkt.

cœrulea alba (bicolor). Blue and white. 59480 5

cœrulea. Blue.....59490 5

CATCHFLY. See Silene.

CELOSIA (Cockscomb)

CRISTATA. We prize and plant the Cockscomb as an odd and picturesque decorative feature of the garden. Annuals of easy culture, the bright red and crimson varieties are most effective, both in gardens and in winter bouquets, for which they are cut before fully ripe and dried in the house. The dwarf varieties make novel and attractive borders; the tall ones form striking groups. Transplanting into rich soil about the time the combs begin to form makes the flower-heads much larger. They are bright from midsummer until frost.

Glasgow Prize. Dark leaves and crimson combs; fine for solid beds and for edgings; 1 ft.....59520 10

Dwarf Bright Red. A miniature plant, with enormous combs of intense bright red.....59530 10

" **Crimson**.....59540 10

" **Dark Yellow.** Yellow combs....59550 10

" **Light Yellow**.....59560 10

Mixed. Extra-large combs in all the above colors.....59570 10

PLUMOSA (Plumed or Ostrich-feather Cockscomb). Beautiful annual foliage plants blooming in late summer and autumn, and producing large, showy plumes, curled and curved, much resembling ostrich-feathers. Elegant for beds and borders; 2 to 3 ft. Pkt.

Ostrich-Feather, Crimson.....59590 10

" **Orange**.....59600 10

Pride of Castle Gould. Of upright, compact growth, 2 to 3 ft. high, with large, fine-feathered heads in many variations of shades and self-colors—blood-red, carmine, deep-scarlet, wine-red, salmon, yellow and orange. Valuable either as a pot-plant or for bedding in sunny situations, where it keeps up a constant bloom.....59620 25

Thompsonii magnifica, Mixed. Superb assortment of the plumed varieties. 59640 10

***Huttonii.** Ornamental dark foliage; claret flowers; fine sort for a large bed; 3 ft.....59660 15

Spicata. Rose and white; fine for pots and vases; also good for planting in front of taller sorts; 1 ft.....59670 10



CELOSIA PLUMOSA

CENTAUREA. The popular Cornflower, *Centaurea cyanus*, is also known as "Blue Bottle," "Ragged Sailor," "Kaiserblumen," and, sometimes, as "Bachelor's Button." Bright-flowered plants of the hardiest nature and simplest culture, among the most attractive and graceful of all the old-fashioned flowers. The perennial sorts increase rapidly and bloom profusely.

PERENNIAL FLOWERING. A dry, sandy soil of moderate fertility seems to suit them best, keeping up a profusion of bloom all summer. Pkt.

macrocephala. Flower-heads large, showy, bright yellow; 3 ft. **59720** 10

montana, Blue. Large-flowered perennial Cornflower. **59725** 10

" **alba.** White. **59730** 20

PERENNIAL SILVER-LEAVED. These are used for borders or edgings, and thrive anywhere. Flowers white, leaves grayish; half-hardy; height 1 ft.

candidissima. Silvery white leaves. Pkt. **59740** 10

Clementei. Broadly cut, silvery leaves. **59750** 10

gymnocarpa. Silvery white small leaves. **59760** 10

HARDY ANNUALS. Flower finest in full sun and thin soil. Sow in open ground in spring; 1½ to 2 ft.

americana. Large, lilac-purple flowers; Pkt. bushy plants; very fine. Constant and profuse bloomer. **59780** 10

imperialis, White. Very large-flowered; hardy and floriferous; borne on long, stiff stems. **59790** 10

" **Lilac.** Very large-flowered; hardy. The same as the White except in color. **59810** 10

" **Yellow.** Bright yellow flowers; very fine for use as cut-flowers. **59830** 10

" **Mixed.** Very large-flowered; hardy. **59840** 10

odorata, Chameleon. Yellow and rose; fragrant; superb; fine cut-flowers. **59860** 10

CENTAUREA, continued

odorata, Margaritæ. Pure white; 2½ in. across; lacinated and scented; forms stocky, well-budded little bushes; 1½ ft. **59880** 10

moschata atropurpurea (Purple Sweet Sultan). Large flowers on long stems. **59900** 5

" **atropurpurea alba** (White Sweet Sultan). **59910** 5

" **atropurpurea, Mixed.** (Mixed Sweet Sultan). **59930** 5

suaveolens (Yellow Sweet Sultan). Fine. **59950** 5

CYANUS (Cornflower). Blue; delightful, old-fashioned flowers, blooming profusely all summer; borne on long, stiff stems, and fine for cutting; 1 to 2 ft. oz. 25c. **59970** 5

" **Emperor William.** Blue; one of the finest of all Cornflowers, and much used for cutting... oz. 25c. **59980** 5

" **Emperor William, Semi-double.** Blue; carried on long stems. **59990** 10

" **Rose.** Distinct shade; flowers borne on long stems; good for cutting. **60010** 5

" **Victoria, Dwarf Compact.** For pots and edgings; azure-blue; 9 in. **60020** 10

" **Pure White.** Very fine. **60030** 5

" **Mixed.** oz. 25c. **60040** 5

" **Double, Mixed.** ¼ oz. 20c., oz. 50c. **60050** 5

" **Mixed Dwarf Hybrids.** ¼ oz. 25c., oz. 80c. **60060** 10

Collection of Centaurea Cyanus, including 6 varieties. **60070** 25

CENTAURIDIUM Drummondii (hA) **60100** 5
Pretty little composite; yellow flowers; 1½ ft.



CENTAUREA IMPERIALIS



CENTAUREA MONTANA ALBA

CENTRANTHUS. Very pretty, free-flowering annuals, suitable for rockeries, vases and the garden border; 1 ft. Pkt.

macrocephalon. Red.....	60120	5
“ nanus. Red; dwarf; ½ ft.	60130	5
“ nanus albus. White.....	60140	5
“ Mixed	60150	5

CEPHALARIA tatarica.....60170 10
Hardy perennial; fine for backgrounds and bees; flowers yellow; 6 ft.

CERASTIUM (Snow-in-Summer). Pretty, silver-leaved, trailing, hardy perennials; fine edging plants, also for rockeries; 6 in. Pkt.

tomentosum. White.....	60190	25
Biebersteini. White.....	60210	25

CERINTHE. Decorative hardy annuals; valuable for bees; 1½ ft. Pkt.

retorta. Yellow and red.....	60230	5
Mixed	60240	5

CHAMÆPEUCE diacantha (Ivory Thistle). 60270 10

A spiny border perennial with glaucous foliage, flowers purple; 1½ ft.

†**CHELONE.** Beautiful, decorative hardy perennials; deserve a place in every garden; 2 to 3 ft. Pkt.

barbata. Red.....	60290	10
“ coccinea. Scarlet.....	60300	10
“ hybrida, Mixed	60310	10

CHORIZEMA ilicifolium.....60340 25
A very fine, evergreen, greenhouse plant, easily produced from seed; flowers yellow and red; 2 ft.

CHRISTMAS ROSE. See Helleborus.

CHRYSANthemUM. Do not confound these annuals with the winter-flowering sorts of the florists. They bloom profusely from early summer until frost, and, when grown in large beds or masses, their bright colors make a splendid show. The plants can be brought into bloom early by sowing the seeds in frames or window-boxes, and afterwards transplanting to the garden; or seed may be sown where the plants are to flower, if the seedlings are thinned to 8 to 10 inches apart. Pinching back in early growth makes the plants bushy and shapely. Average height, 1 to 1½ ft. Pkt.

coronarium, Double sulphureum. Pale yellow.....	60370	5
“ Double Yellow. Golden yellow; splendid.....	60390	5
“ Double White	60410	5
“ Double Mixed. Yellow, white, etc..oz. 30c....	60430	5

tricolor. The tricolor sorts have beautiful rings and eyes of various colors, and are distinctively handsome, with long stems. Pkt.

“ Burridgeanum. Crimson-maroon, with white edge and inner circle; brilliant and showy.....	60450	5
“ Eclipse. Yellow, with velvety brown band.....	60460	10
“ Golden Feather. Foliage rich yellow; flowers bright red and white, on long stems.....	60470	5
“ Northern Star. Giant white flowers, with black centers.....	60480	10
“ Scarlet. Dark and rich.....	60490	5
“ Yellow	60500	5
“ White	60510	5
“ Single Mixed. All colors.....	60520	5
“ ¼ oz. 20c., oz. 50c....	60530	10
“ Double Golden (Dunnetti)	60540	10
“ Double White (Dunnetti)	60550	10
“ Double hybridum, Mixed (Dunnetti)	60550	10

CHRYSANthemUM, continued

tricolor, Double Golden-leaved Sorts. A mixture of beautiful yellow-leaved sorts; flowers of various bright, vivid colors.....60560 10

“ **Single and Double Mixed**..... ¼ oz. 25c., oz. 75c....60570 5

“ **Double Mixed**..... ¼ oz. 40c., oz. \$1.25...60580 10

“ **Double Dwarf Mixed**..... ¼ oz. 25c., oz. 75c....60590 10

frutescens (Paris Daisy, or Marguerite). (gP.) Beautiful for cutting and pot culture; long-stemmed, single, white flowers, with golden centers. A favorite variety with florists.....60610 10

inodorum, Double. Pretty white flowers, carried on long, stiff stems: fine for cutting; 1 ft.....60620 10

Leucanthemum (Shasta Daisy) (hP). Extra-large flowers, with pure white petals and brilliant golden yellow center; 2 to 2½ ft.60630 10

multicaule. An exceptionally fine little bedder; flowers yellow; blooms all summer; 3 in.....60640 5

segetum, Morning Star. Large, yellow flowers; for cutting.....60650 5

“ **Helios, Evening Star.** Fine for cutting; pure golden yellow flowers of gigantic size, borne on long stems.....60660 5

Collections of Chrysanthemum tricolor, including 12 varieties.....60690 45
“ 6 varieties.....60700 25

PERENNIAL VARIETIES. This section includes the large-flowered sorts, and the pretty, hardy Pompons that make bright masses of color in our gardens long after heavy frosts have cut down other flowers. We wish to make quite clear the distinction between this class and the Annual Chrysanthemums described above, so that, as has sometimes happened heretofore, customers may not order seed of the summer-blooming garden varieties, expecting them to yield the grand show flowers of late fall, which are obtained from cuttings carefully cultivated. For ordinary culture and room decoration,



CHRYSANthemUM TRICOLOR

PERENNIAL CHRYSANTHEMUMS, continued

plants pinched back to form a number of branches, and holding from five to ten flowers, are satisfactory. Average height of show kinds, 3 feet.

- indicum, Double.** Will produce superb flowers of different types and colors; fine for forcing and cut-flowers.....**60730** 25 Pkt.
- " **Pompon.** The pretty, hardy dwarfs, with bright, clustered flowers, which brighten up the garden late in autumn; 1½ ft. **60740** 25
- japonicum fl. pl. From finest flowers.** Double. An extra-choice mixture, including many of the finest large-flowering sorts.....**60750** 50

CINERARIA. One of the most useful and ornamental of greenhouse plants; with flowers of the richest and most brilliant colors and shades, and of the finest texture. For succession, make sowings of the seed from May to September, but the main sowing in July. Very fine plants for conservatory and house decoration. Average height, 2 ft.

- Azure-Blue.** Dwarf; fine for edging.**60780** 25 Pkt.
- Large-flowered, Blood-Red.**.....**60790** 25
- " **Crimson.** Very brilliant and showy.....**60800** 25
- " **Flesh-colored, Mixed.**.....**60810** 50
- " **Stella, Mixed.** Twisted and fluted petals, large flowers of very rich and bright colors....**60820** 50
- " **White.** Handsome.**60830** 25
- " **Prize Mixed.** Magnificent strain.....**60840** 60
- " **Half Dwarf, Prize Mixed** Exquisite. 1 ft..**60850** 60
- Splendid Mixed.** All fine sorts.....**60860** 25
- " **Double.**.....**60870** 60
- stellata (Polyantha).** Mixed.....**60880** 25



CLARKIA PULCHELLA

CINERARIA, continued**HALF-HARDY PERENNIALS.** Require some protection.

- maritima** (Dusty Miller). Silvery leaves. **60910** 5
- " **candidissima.** Beautiful white foliage; the best.**60920** 10
- " **Diamond.** Pure white foliage; very fine.....**60930** 10

CLARKIA. One of the prettiest and showiest of hardy annuals that bloom freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight; useful for hanging-baskets, vases and as edgings to beds of larger-growing plants. Sow outdoors in early spring and grow in partial shade. The plants keep up a continuous bloom through midsummer to late autumn; average height, 1½ ft.

- elegans alba, Double.** White.....**60960** 10
- " **rosea.** Rose.....**60970** 5
- " **Double.** Rose.....**60980** 10
- " **Single Mixed.**.....**60990** 5
- " **Double Mixed.**.....**61000** 5
- " **Double and Single Mixed.****61010** 5
- pulchella alba.** White.....**61030** 5
- " **marginata.** White-edged.**61040** 5
- " **Red.**.....**61050** 5
- " **White Tom Thumb.**.....**61060** 5
- " **Single Mixed.**.....**61070** 5
- " **Double and Single Mixed.**.....**61080** 5

CLARY (*Salvia Horminum*). Pretty, hardy annuals for beds and borders; 1½ ft.

- Purple-Top.** Purple.....**61110** 5
- Red-Top.** Red.....**61120** 5
- White-Top.** White.....**61130** 5

†CLEMATIS (Virgin's Bower). Excellent, hardy, climbing perennials for trellises, arbors, verandas, etc. Do well in most locations.

- crispa.** Pale purple; floriferous; 10 ft.**61160** 25
- flammula.** White; sweet-scented; 25 ft. **61170** 5
- paniculata.** White, fragrant, very free blooming; 10 to 20 ft.....**61180** 10
- Jackmani hybrids, Mixed.** Collection of the best colors; 10 to 15 ft.....**61190** 25
- For other sorts, see Tree Seeds, pages 62 to 65.

CLEOME. Curious, very ornamental plants, on castor-oil-plant style. Bloom freely in sandy soil; hardy annuals.

- *pungens** (Giant Spider Flower). Pink; 3 ft.....**61210** 10
- *speciosa.** Purple; fine; 2 ft.....**61220** 10

CLIANTHUS. Splendid greenhouse plants, with pea-shaped flowers. Soak seeds in hot water before sowing.

- Dampieri.** Scarlet; 3 ft.....**61240** 15
- punicea.** Crimson-scarlet; 6 ft.....**61250** 15

CLINTONIA (*Downingia*) **pulchella.** **61270** 25

Very pretty border annual; flowers freely, in purple, white, and yellow (tricolor); fine for edgings; 6 in.

†CLITORIA. Beautiful greenhouse and conservatory climber, with large, pea-shaped blooms; 10 ft.

- ternatea.** Blue.....**61290** 10
- " **alba.** White.....**61300** 10

†COBÆA. Tender climbing perennials of rapid growth; 20 ft.

- †scandens.** Purple, bell-shaped flowers.....**61330** 10
- " **alba.** White.....**61340** 15
- †macrostemma.** Green with violet.....**61350** 15

†COCCINEA indica (tA).....**61370** 10

Ornamental climbing gourd, marked with white lines, turning scarlet; flowers red; 6 ft.

COCKSCOMB. See Celosia.

COFFEA arabica (Coffee Tree).....**61390** 25 Pkt.
Very ornamental greenhouse shrub; white flowers, scarlet berries; 10 ft.

***COLEUS** (gP). Splendid bedding plants, with beautifully colored foliage; very useful for decorative purposes; 2 ft. Pkt.

Fine Hybrids, Mixed.....**61410** 25

Finest Mixed Large-leaved.....**61420** 50

Collections of Coleus, including—

12 varieties**61440** 1 00

6 varieties**61450** 60

COLLINSIA. Free-flowering annuals. If sown in autumn, will stand the winter and flower early in spring. All the species are brightly colored, and excellent for growing in patches or clumps; easily grown in any garden soil; 1 to 1½ ft. Pkt.

bartsia. Pinkish purple.....**61480** 5

bicolor. Lilac and white.....**61490** 5

“ **alba**. White.....**61500** 5

“ **candidissima**. White.....**61510** 5

grandiflora. Blue.....**61520** 5

multicolor. White, violet and lilac.....**61530** 5

“ **marmorata**. White, violet

and lilac; a fine sort.....**61540** 5

verna. Light blue and white.....**61550** 5

Mixed.....**61560** 5

COLLOMIA. Hardy annuals suitable for massing; fine for bees. Pkt.

coccinea. Scarlet and yellow; 1 ft.....**61590** 5

grandiflora. Yellow; 2 ft.....**61600** 5

COLUMBINE. See *Aquilegia*.

COMMELYNIA. Showy, half-hardy perennials; favorite plants for pots and gardens; 1½ ft. Pkt.

coelestis. Blue.....**61630** 5

“ **alba**. White.....**61640** 5

“ **variegata**. Ornamental-leaved...
61650 5

*CONVOLVULUS

TALL. Beautiful and easily grown annual; rapid in covering screens, trellises, etc. Pkt.

aureus superbus (hhA). Golden-yellow; 5 to 10 ft.....**61680** 10

major (Tall Morning-Glory). **Mixed**
Finest colors; 10 ft. up.....**61690** 5

mauritanicus (hP). Blue; trailing habit; fine for baskets and rockeries....**61700** 10

For Japanese Morning-Glory, see *Ipomœa*.

DWARF. Dwarf Morning-Glories are most elegant annuals for growing in clumps or beds; also for edgings and hanging-baskets; very bushy; of easiest culture; bloom all season; 12 in. Pkt.

tricolor (minor). Blue.....**61730** 5

“ **Crimson-Violet**.....**61740** 5

“ **Rose**.....**61750** 5

“ **unicaulis**. Purple.....**61760** 5

“ **White**.....**61770** 5

“ **Mixed**.....oz. 25c...**61780** 5

Collection of Convolvulus tricolor—

including 8 varieties.....**61790** 35

***CORDYLINA**. Beautiful greenhouse plants, fine for pots or summer bedding, and especially for vases. Pkt.

***australis**. Dark green foliage; 3 ft....**61820** 15

***indivisa**. Narrow green leaves; 4 ft....**61830** 10
See, also, *Dracæna*.

COREOPSIS. See *Calliopsis*.

CORNFLOWER. See *Centaurea Cyanus*.

COSMIDIUM Burrigeanum.....**61860** 5

Very showy, hardy annuals of easy cultivation; flowers velvety brown; 2 ft.

COSMOS. One of the notable fall flowers. A strong, tall-growing annual, with bold flowers of exquisite daintiness and airiness, heightened in effect by their foliage setting of feathery green. It is most effective when planted in broad masses, or long background borders against evergreens or fences. We offer only the choice, large-flowering strains. To make sure of flowering early, *Cosmos* should be started indoors and transplanted into dry, sandy or poor soil, in a sunny situation.

EARLY FLOWERING. Earliest of all. If seed is started early in the house or frame, this fine strain will produce flowers a month earlier than Mammoth Perfection. Pkt.

Crimson.....**61880** 10

Pink.....**61890** 10

White.....**61900** 10

Mixed.....¼oz. 25c., oz. 75c...**61910** 10

Lady Lenox. Lovely, large, shell-pink flowers of great substance; one of the finest of *Cosmos*.....**61920** 10

MAMMOTH PERFECTION. Large flowers on long stems lasting until frost.

Conchita. **Crimson**.....
¼oz. 20c., oz. 60c...**61930** 10

Erlinda. **White**.....
¼oz. 20c., oz. 60c...**61940** 10

Rosita. **Pink**.....¼oz. 20c., oz. 60c...**61950** 10

Mixed.....¼oz. 20c., oz. 50c...**61960** 10

Klondyke. Orange-colored; distinct foliage.....**61990** 25

Marguerite. Petals deeply and irregularly fringed; in various bright colors. An attractive flower.....**62010** 10

Striped. Charming and distinct; large white centers, and petals deeply striped white.....**62030** 10

Tints of Dawn. Handsome white flowers, slightly tinged with rose....**62040** 10

COTTON (Gossypium).....**62060** 5

Tender annual for pots and garden; yellow flowers; 3 ft.

COWSLIP (*Primula officinalis hybrida*) hP. Pkt.
62080 10

Favorite spring flower; fragrant; mixed colors; 6 in. Pkt.

CRUCIANELLA stylosa (Crosswort)....**62100** 5

Hardy perennial, with pink flowers; 1 ft.



COSMOS, KLONDYKE

†**CUCUMIS.** Very luxuriant, half-hardy, climbing annuals of extremely rapid growth, bearing curious fruits; flowers yellow; 10 to 15 ft. Pkt.

acutangulus (Rag or Dish-Cloth Gourd).	62120	5
erinaceus (Hedgehog Gourd).....	62130	10
flexuosus (Snake Cucumber).....	62140	5
grossulariaeformis (Gooseberry Gourd).	62150	10
odoratissimus (Pomegranate Melon)	62160	5
perennis (hhP). Very fine.....	62170	10

CUCURBITA. See Gourds.

†**CUPHEA.** Pretty half-hardy perennials; fine border and pot-plants; 1 to 1½ ft. Pkt.

eminens. Orange-scarlet.....	62190	10
miniata. Crimson.....	62200	10
platycentra (Cigar Plant). Long-shaped, scarlet flowers all summer.....	62210	10
purpurea, Mixed	62220	5
Rœzlii. Red.....	62230	25
strigulosa. Violet.....	62240	25

CYCLAMEN. These bulbous greenhouse plants are all very beautiful and are unapproached among winter-flowering plants for duration of bloom, variety of shades and wealth of coloring. They are among the best plants recommended for house culture, as they thrive well and bloom profusely in the average temperature of the living-room. Their quaintly formed flowers and oddly marked foliage are very handsome. Sow the seed in small boxes or seed-pans in a compost of well-rotted manure, leaf-mold and sand, in the early winter months. Cover lightly with moss, which should be kept moist and should be removed after the seed germinates. Prick out into small pots when the young plants have two leaves. They should be grown steadily without any check, and they will flower in from ten to twelve months. Average height, 9 in. Pkt.

giganteum album, Mont Blanc. White.	100 seeds, \$1..	62300	25
" albo-rubrum. White with red eye.	100 seeds, \$1..	62310	25
" atropurpureum. Dark red.	100 seeds, \$1..	62320	25
" Aurora Borealis. White and pink; fringed.....	100 seeds, \$1.25..	62330	25
" roseum. Rose.....	100 seeds, \$1..	62350	25



DATURA FASTUOSA

CYCLAMEN, continued

giganteum Salmon Queen. Salmon; very fine.	100 seeds, \$1.25..	62360	25
" Mixed. Finest sorts.....	100 seeds, \$1..	62380	25
persicum Papilio, Mixed. Butterfly Cyclamen.	100 seeds, \$1.50..	62400	25
" Mixed		62410	10

†**CYCLANTHERA explodens.**..... 62430 10
A beautiful half-hardy annual climber; yellow flowers; 8 ft. Pkt.

CYPERUS alternifolius (Umbrella Plant). 62450 15
A perennial grass-like plant of fine habit; grows well in water and damp places; 2 ft.

CYPRESS VINE. See *Ipomœa Quamoclit.*

†**DAHLIA.** This favorite half-hardy perennial is most easily grown from seed sown early in the house or greenhouse. Will bloom freely outdoors until frost the first season; 3 to 6 ft. Pkt.

Double Mixed	62480	10
Single Mixed	62490	10
Single Cactus, Mixed	62500	10
Double Cactus, Mixed	62505	25
Single Collar. (Collarette.) Mixed	62510	10
"Fiery Star." (Fine Single.) Scarlet; 1 ft.....	62520	10
"Jules Chretien." (Dwarf.) Fine single-flowered; scarlet; 1 ft.....	62530	10
"Lucifer." (Single.) Splendid dark red blooms on long stems.....	62540	10
variabilis, Giant Hybrids, Double Mixed	62550	10

Collection of Single Dahlias, including—
6 varieties..... 62560 50

DAISY (*Bellis perennis*, etc.) (hP). May be sown in February or March in shallow boxes of light, rich soil, covering the seeds to about three times their own thickness, and pressing soil firmly over them. Keep in a warm window, hotbed or greenhouse. When well out of the seed-leaf transplant to new boxes, and set out in the open ground when danger from frost is past. Or, sow in beds outside in August or September; protect with straw or litter over winter, and transplant to their permanent position in the spring. They make delightful borders to beds of taller-growing annuals and can be used very effectively in beds of spring-blooming bulbs; 4 inches. Pkt.

Double Red	62590	10
" Rose (Longfellow)	62600	10
" White (Snowball)	62610	10
" Mixed. Very fine.....	62620	10
" maxima alba. Extra large. White.	62630	15
" maxima rosa. Extra large..	62640	15
" maxima, Mixed. Extra large....	62650	15

Shasta Daisy. See *Chrysanthemum Leucanthemum.*

DAISY (Paris Daisy). See *Chrysanthemum frutescens.*

DAISY, Swan River. See *Brachycome.*

DAPHNE Mezereum..... 62720 25
Early-flowering, sweet-scented, hardy shrub, with pink flowers; 3 to 4 ft.

DATURA. Showy, half-hardy annuals of rapid growth, with large, trumpet-shaped, fragrant flowers; 3 ft. Pkt.

cornucopia (Horn of Plenty). Violet; immense flowers.....	62740	5
fastuosa, Double White	62750	5
" Double Purple	62760	5
Golden Queen. Bright yellow; splendid double variety.....	62770	5
humilis flava fl. pl. Double; yellow.	62780	5
meteloides (Wrightii). White and lilac.	62790	5

DELPHINIUM (LARKSPUR). In variety and beauty of its blue tints, which are as numerous as they are charming, no other plant can equal the Delphinium. The brilliant flowers are strongly effective in beds or masses, in borders, shrubberies, or in combination with white lilies. Improvements are continually being made in the size of the flowers, as well as in the length and fullness of the spikes. Some of the species flower both early and late; the season for all can be prolonged by cutting away withered flower-stems. All varieties are easily cultivated and adaptable to many conditions, but in a soil deeply dug and well enriched with fine old manure, their blooms are the finest. Setting them 1½ to 2 feet each way is not too much for the taller sorts.

ANNUAL VARIETIES. These include the Rocket or Hyacinth-flowered, so called from their long, narrow flower spikes. They bloom best in a rather cool, moist soil. Sow seed in the open border, either in spring or fall, preferably the latter, so that germination may take place very early in the spring. As the seedlings grow, thin them to stand 6 to 18 inches apart, according to variety. The varieties are seldom kept separate, as they are quite as pretty and convenient for cutting when sown in mixture. Some of these are really hardy biennials, but, because they bloom the first season, we treat them as hardy annuals. The shades of color cover a very wide range.

- Ajasis, Dwarf Rocket.** Finest colors; very beautiful for bedding; 1 ft. oz. 30c... **.62810** 5
- " **Tall Rocket.** Rose-pink; 2 ft. **.62820** 5
- " " White; 2 ft... **.62830** 5
- " " Long, showy spikes; mixed colors; 2 ft. ¼oz. 20c., oz. 50c... **.62840** 5
- " **Ranunculus-flowered.** Double; colors fine; 2 ft... **.62850** 5
- " ¼oz. 20c., oz. 50c... **.62850** 5
- " **Tall Branching.** Flesh-color; 2 ft. **.62860** 5
- " **Tall Branching.** Choice mixed; 2 ft... ¼oz. 20c., oz. 50c... **.62870** 5
- cardiopetalum.** Beautiful blue flowers; 1 ft. **.62880** 5
- Emperor Branching Rose.** This and the next are splendidly bright and showy, often giving ten to twenty erect spikes of flowers; 2 ft. **.62890** 10
- " **Branching, White.** Beautiful for cutting..... **.62900** 10
- " **Branching, Mixed.** 10
- ¼oz. 20c., oz. 60c... **.62910** 10
- Newport Rose.** A rose-colored and very beautiful, free-flowering sort. If sown outdoors in spring, it will bloom by the first of August; 2 ft. **.62920** 10

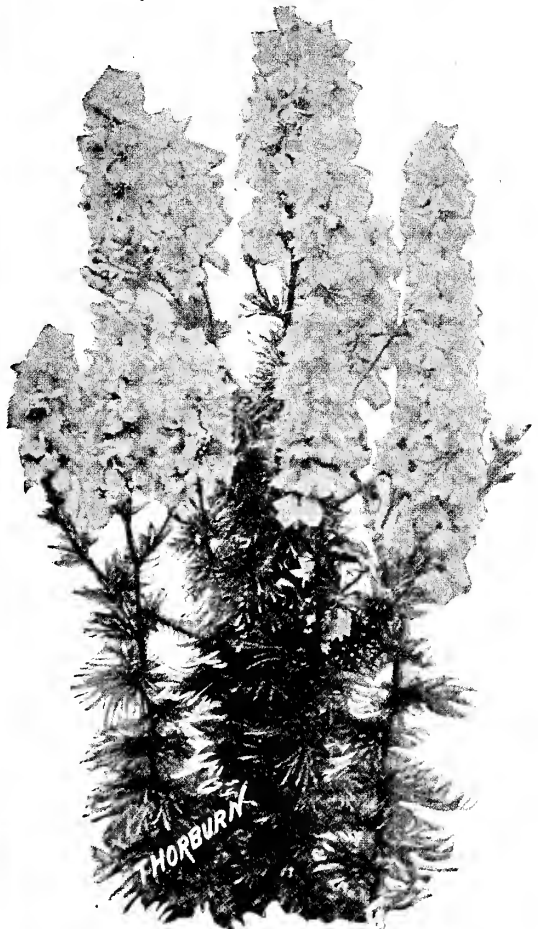
PERENNIAL VARIETIES. These are usually taller than the annuals, requiring more space between the plants. If sown in the fall or very early spring, nearly all will bloom the first season. Foliage clean and pretty; habit strong and neat; flower-spikes long and dazzling.

- Barlowi.** Large, dark blue flowers; extra fine; 3 ft. **.62930** 25
- Belladonna.** Lovely pale blue; handsome plant; comes very true from seed; 4 ft. **.62940** 15
- Brunonianum.** Lovely blue, musk-scented flowers, very distinct; 6 to 18 in. **.62950** 25
- cardinale.** Orange-scarlet; a California native; 2 ft. **.62960** 25
- cashmerianum.** Spreading, many branched; flowers often 2 in. wide; deep purplish blue; 2 ft. **.62970** 25
- chinense, Mixed (C. grandiflorum).** Large flowers, ranging from pure white to indigo-blue. Young seedlings will bloom from midsummer until frost; 2 ft. **.62980** 10

DELPHINIUM, continued

Pkt.

- chinense azureum.** Beautiful, distinct shade of blue; 2 ft... **.62990** 10
- elatum, Blue (Bee Larkspur).** Soft clear blue; tall spikes; 3 ft... **.63000** 10
- " **hybridum, Finest Mixed.** Very showy..... **.63010** 10
- " **hybridum, Finest Double Mixed.** **.63020** 25
- formosum.** Brilliant blue, white center; especially fine; 3 ft. **.63030** 20
- " **cœlestinum.** Sky-blue; handsome; true... **.63040** 20
- New Large Hybrids, Mixed.** All shades of blue from best named single-flowering varieties; 3 ft. **.63060** 15
- nudicaule.** The only pure bright scarlet. Dwarf and compact in growth, with flower-stems of fine length; 1 ft. A native of California..... **.63070** 30
- Zalil (sulphureum) (hP).** Long spikes of yellow flowers; 2 ft. **.63090** 30
- Collections of Delphinium, including—**
- 12 vars. Dwarf Rocket, Annual..... **.63120** 45
- 6 vars. Dwarf Rocket, Annual..... **.63130** 25
- 10 vars. Tall Rocket, Annual..... **.63140** 40
- 6 vars. Tall Rocket, Annual..... **.63150** 25
- 6 vars. Emperor, Annual..... **.63160** 25
- 6 vars. Ranunculus-flowered, Annual. **.63170** 25
- 8 vars. Tall Branching, Annual.... **.63180** 40
- 6 vars. Tall Branching, Annual.... **.63190** 30
- 6 vars. Hybridum. Finest Double. **.63200** 50



DELPHINIUM (LARKSPUR), TALL ROCKET

- DENDROMECON rigidum** (California Yel- Pkt.
low Tree Poppy).....**63250** 25
An easily grown greenhouse shrub with yellow flowers;
2 ft.
- DIANTHUS.** See Pinks. Carnations and Picotees.
Pkt.
- DICENTRA chrysantha**.....**63270** 25
Half-hardy perennial from California; brilliant yellow
flowers; 3 ft.
- DICTAMNUS (GAS PLANT).** Ornamental hardy peren-
nials; can remain for years undisturbed; the leaves,
when rubbed, have a lemon odor; 3 ft. Pkt.
- Fraxinella. Red**.....**63290** 10
" **albus. White**.....**63300** 10
" **Mixed**.....**63310** 10
- DIDISCUS.** See Trachymene.
- DIGITALIS.** See Foxglove.
- DIMORPHOTHECA (African Orange Daisy).**
Easily grown, hardy annual of great beauty; 12 to 15
in. in height, and bushy. Pkt.
- aurantiaca.** Orange; very fine.....**63340** 10
" **hybrida.** New fine varieties,
mixed.....**63350** 10
- †**DOLICHOS.** Very rapid-growing, hardy annual climber,
bearing pea-shaped blossoms and ornamental seed-
pods. Fine for covering screens, etc.; 10 ft. Pkt.
- Lablab (Hyacinth Bean). Purple**.....
oz. 20c...**63390** 5
" **albus. White**.....oz. 20c...**63400** 5
" **Mixed**.....oz. 20c...**63410** 5
giganteus. White.....**63420** 10
japonicus (Daylight). White; very fine.
63430 10
Purple Soudan. Purple flowers in racemes;
good foliage.....**63440** 5
- DORONICUM caucasicum**.....**63460** 25
An early-flowering, ornamental, hardy perennial;
grows easily, has large yellow flowers; 1 ft.
- ***DRACÆNA.** Ornamental greenhouse plants; fine for
pots, vases, or beds. (See, also, Cordylina.) Pkt.
- ***Draco.** Very fine variety; 3 ft.....**63490** 25
***indivisa.** Narrow green leaves; 4 ft..**63500** 10
- DRACOCEPHALUM moldavicum (Balm).**
63520 5
An easily grown hardy annual; blue flowers; fine for
bees; 2 ft.
- ECHEVERIA.** Interesting greenhouse succulent plants,
extensively used for "carpet" bedding; bluish green
leaves; 3 to 6 in. Pkt.
- agavoides. Yellow**.....**63570** 25
metallica. Yellow.....**63590** 25
secunda. Scarlet and yellow.....**63610** 25
- †**ECHINOCYSTIS lobata (Wild Cucumber).**
A rapid-growing annual climber. **63620** 5
- ECHINOPS Ritro**.....**63630** 10
A hardy perennial of stiff growth; flowers blue; fine
for bees; 2 ft.
- EDELWEISS.** See *Leontopodium alpinum*. Pkt.
- ELSHOLTZIA cristata**.....**63650** 5
Hardy annual; flowers lilac; a good plant for bees;
1½ ft. Pkt.
- EMMENANTHE penduliflora (California**
Golden Bells).....**63670** 25
A bushy-growing, hardy annual, with long-lasting
yellow flowers; 1 ft. Pkt.
- EPACRIS hybrida superba**.....**63690** 50
Elegant greenhouse plants, free-blooming; style of
heath. Mixed varieties; 2 to 3 ft. Pkt.
- EREMURUS himalaicus**.....**63710** 25
Strikingly handsome half-hardy perennials, with
great flower-stalks crowned with white flowers; 7 ft. Pkt.
- ERICA (Heath)**.....**63730** 25
Charming greenhouse shrubs. Many choice varieties,
2 ft. Pkt.
- ERIGERON aurantiacum (Double Orange**
Daisy).....**63750** 10
Handsome, free-flowering, hardy perennial; 1½ ft.
- ERINUS alpinus (hP)**.....**63770** 25
Pretty alpine rock-plant; flowers blue; fine for
baskets; 3 in. Pkt.
- ERODIUM moschatum**.....**63790** 5
Pretty, little, hardy annual; good for borders; purple
flowers; 3 in.
- ERYNGIUM.** Extremely ornamental, hardy perennials,
well adapted for the garden border.
- cœlestinum.** Beautiful sky-blue flowers; Pkt.
2 ft.....**63810** 5
giganteum (Silver Thistle). Blue; 4 ft.
63820 10
- ERYSIMUM.** Free-flowering, hardy annuals of neat
habit and bright colors; style of wallflowers; 1 to 1½ ft.
Pkt.
- arkansanum. Yellow**.....**63840** 5
Perofskianum. Orange.....**63850** 5
- ERYTHRINA Crista-galli (Coral Tree).**
63870 10
This fine greenhouse shrub does well in the garden
border in summer; scarlet flowers.



DIMORPHOTHECA AURANTIACA HYBRIDA

ESCHSCHOLTZIA Commonly called Cali-
fornia Poppy. The state
flower of California. This much esteemed hardy annual
is very bright and rich in its pure tints of yellow, orange,
etc. The plants average about a foot in height, with
silvery foliage, and produce their large, poppy-like
flowers from early spring until frost. They are most
effective when grown in beds of considerable size, over
which the seed may be sown broadcast thinly and lightly
raked in. These sowings may be made early in spring
or late in autumn for earlier germination, blooming the
next spring. Useful as a pot-plant and for cut-flowers.
Pkt.

- THORBURNI.** Coppery orange; the ef-
fect of a plant in bloom is simply gorgeous;
the flowers are larger than those of other
Eschscholtzias, and are borne with equal
profusion; finest of all. (See cut, p. 87.) **63900** 10
californica. Rich yellow...oz. 30c...**63910** 5
" **alba. Creamy white**...**63920** 5
" **alba fl. pl.** Fine sort, with
double, creamy white flow-
ers.....**63930** 10
" **Burbank's Crimson-flower-**
ing. Crimson.....**63940** 10

ESCHSCHOLTZIA, continued

Pkt.

- californica, Carmine King.** Carmine-rose; beautiful..... **63950** 10
- " **Rose-Cardinal.** Carmine-rose..... **63960** 10
- aurantiaca fl. pl.** Double flowers; bright orange..... **63970** 5
- " **Single Orange**..... **63980** 5
- crocea.** Pure, deep orange..... **63990** 5
- " **Double Orange**..... **64000** 5
- Douglasii.** Very pretty yellow variety from California..... **64010** 5
- Mandarin.** Red-gold flowers, orange within and scarlet without..... **64020** 5
- maritima.** Canary-yellow, with orange center; leaves grayish; very effective..... **64030** 5
- " **Golden West.** A superb variety with very large flowers of deep yellow; blooms all summer; 2 ft. **64040** 5
- tenuifolia.** Bright yellow; leaves dense and finely cut..... **64050** 10
- Mixed.** Many sorts..... **64060** 5
- 1/4 oz. 20c., oz. 50c. **64060** 5
- EUPHORIUM grandiflorum**..... **64080** 5
- Graceful and showy, little hardy annuals, nearly allied to Clarkia; fine for edgings and pots; rosy red flowers; 1 ft. Pkt.
- †**EUPATORIUM Fraseri**..... **64100** 5
- Splendid hardy perennials; clusters of white flowers, fine for cutting; 1 1/2 ft. Pkt.
- ***EUPHORBIA.** Very ornamental-leaved, strong-growing hardy annuals; fine for beds, and borders; 2 to 3 ft. Pkt.
- variegata** (Snow-on-the-Mountain). Green-and-white foliage..... **64110** 5
- heterophylla** (Mexican Fire Plant). Glossy, green-and-carmine leaves..... **64120** 10
- EUTOCA.** Pretty and abundant-flowering hardy annuals, serviceable for bedding; 1 1/2 ft. Pkt.
- multiflora.** Blue..... **64140** 5
- " **albida.** White..... **64150** 5
- viscida.** Dark blue..... **64160** 5
- FENZLIA.** Pretty, hardy annuals for edgings, ribbon-gardening or pots; about 3 in. Pkt.
- dianthiflora.** Rosy lilac..... **64190** 25
- " **alba.** White..... **64200** 25
- FERNS** (gP)..... **64220** 25
- Assorted varieties for the greenhouse. Sow in fine, sifted, sandy, peaty loam, covering the pots with pieces of glass. Pkt.
- Collection of Ferns, including 12 of the finest sorts**..... **64230** 1 25

FEVERFEW. See Matricaria.

FLAX. See Linum.

FORGET-ME-NOT (MYOSOTIS). These dainty little flowers love cool, moist soils, and, like pansies, bloom most freely in fall and early spring. They make beautiful close borders, or edgings, and will bloom nicely in winter in a cool room or coldframe. They establish themselves by self-seeding. Sow in spring in a warm, sunny border. Most varieties bloom freely the first season and profusely the second. Average height, 6 to 8 in. Pkt.

- alpestris** (hB). A pretty trailer, with blue flowers..... **64260** 10
- " **alba.** White flowers; very dainty in effect..... **64270** 10
- " **elegantissima.** Blue; leaves white-edged; very attractive. **64280** 10
- " **elegantissima cœrulea fl. pl.** Double; blue; 8 to 9 in. high. **64290** 25

FORGET-ME-NOT, continued

Pkt.

- alpestris, Indigo-Blue.** Very fine. **64300** 10
- " **nana cœrulea.** Very dwarf; compact; sky-blue; fine for edging..... **64310** 15
- " **robusta grandiflora** (Eliza Robertson). Grown extensively for cutting. Large, sky-blue florets with yellow eye, in large clusters..... **64320** 15
- " **rosea.** Rosy flowers; pretty contrast with blues and whites. **64330** 10
- " **Victoria.** Strong-growing; dwarf habit; flowers large, globular, sky-blue, abundant; fine for borders, growing in pots and for cutting..... **64340** 15
- " **Mixed**..... **64350** 10
- azorica** (hA). Dark blue, with white eye; 1 ft. **64360** 25
- " **cœlestina** (hA). Beautiful light blue; 1 ft. **64370** 25
- dissitiflora** (hP). Blooms very early; flowers blue..... **64380** 15
- hybridus, Star of Love** (hB). A distinct dwarf variety, with large, beautiful blue flowers and handsome foliage..... **64390** 25
- " **Ruth Fischer** (hB). Pure Forget-me-not-blue. Fine for cutting and for hanging-baskets. Can be forced successfully and, owing to its extreme hardness, it is valuable for spring bedding in open ground. **64400** 25
- palustris** (hP) (True Forget-me-not). Dark blue; blooms the second year abundantly all season; the best known of all..... **64410** 10
- " **semperflorens** (hP). Bright blue; dwarf; blooming from spring until autumn; foliage a good shade of green..... **64420** 25
- sylvatica** (hB). Blue, with yellow eye; likes dry soil; 1 to 2 ft. **64430** 10



ESCHSCHOLTZIA THORBURNI (see page 86)

FOUR O'CLOCK (MIRABILIS). Favorite half-hardy annual of the easiest culture and very suitable for large beds and borders. Called Four o'Clock because it opens its blossoms at that hour in the afternoon. Also known as Marvel of Peru. Handsome, free-flowering, sweet-scented; blossoms variegated, striped and of various colors.

Hybrids, Mixed. Fine assortment; 2 ft. Pkt.

oz. 25c... **64460** 5

longiflora alba. White; 2 ft. **64480** 5

Variegated-leaved. Many colors; 2 ft. **64490** 5

Tom Thumb, White. Bushy habit; 1 ft. **64500** 5

" " **Mixed.** Very fine; 1 ft. **64510** 5

Collections of Four o'Clocks, including—

12 varieties **64530** 45

6 varieties **64540** 30

6 varieties variegated-leaved. **64550** 25

FOXGLOVE (DIGITALIS). The tall flower-spikes of the Foxgloves, often 2 to 3 ft. long, are particularly handsome when grown among shrubbery, or in bold masses.

Used as a background for lower plants, they are very fine. Seed may be sown outdoors in spring and the seedlings transplanted where they are to grow, or, preferably, to a coldframe, where they make extra-strong plants that will flower in magnificent spikes the next season. Hardy perennials, they are most satisfactory when treated as biennials, sowing the seed every year in rich, deep soil and partial shade. When the center spike begins to fade, it should be cut out and the side shoots will grow more vigorously and keep up a profusion of flowers for a long time. Average height, 3 to 4 ft.

purpurea, Purple. Pkt.

Best known **64580** 5

purpurea, Rose.

Very showy; long spikes. **64590** 10

purpurea,

White. Fine

and attractive

64600 5

purpurea, Mixed. ...

64610 5

gloxinioides, Purple. **64620** 10

" **Rose.** Bright, showy flowers borne profusely on fine spikes. **64630** 10

" **White.** Very handsome, gloxinia-like flowers; robust; beautiful for cutting. **64640** 10

" **Mixed.** All the choice colors. **64650** 10

grandiflora lutea, Yellow. Large-flowered; long racemes of bell-shaped blossoms; dwarf. **64660** 10

maculata superba. Ivory's Spotted. Mixed colors. **64670** 10

monstrosa, Splendid Mixed. Very large, bell-shaped flowers of exquisite beauty, borne on long spikes; 4 ft. **64680** 10

Collection of Foxgloves, including 12 varieties. **64690** 45

FRAGARIA indica. **64720** 10

Trailing hardy perennial; yellow flowers and beautiful scarlet fruit; elegant for hanging-baskets.

FREESIA. Esteemed greenhouse bulbous plants, with very sweet-scented flowers; 2 ft. Pkt.

refracta alba. White. **64740** 5

Mixed. **64750** 5

FUCHSIA (Ladies' Eardrops). The well-known spring-blooming greenhouse plants; also fine for the window-garden. As bedding plants they do splendidly in the summer if given partial shade and rich soil. Pkt.

procumbens. Blue; trailing variety for vases and hanging-baskets. **64770** 25

triphylla. Scarlet; dark leaves. **64780** 50

hybrida, Finest Single, Mixed. **64790** 50

" **Finest Double, Mixed.** **64800** 50

" **Finest Single and Double, Mixed.** **64810** 50

Collection of Fuchsias, including 12 best varieties, 10 seeds each. **64820** 1 25

GAILLARDIA (BLANKET FLOWER). Both the annual and perennial varieties of Gaillardia are very showy and free bloomers all summer long until frost; good in any situation and easily grown; the individual flowers are of large size, very durable and most brilliant in color; fine for bouquets; 2 to 3 ft. Pkt.

amblyodon (hA). Fine red. **64870** 5

grandiflora maxima (hP). Golden yellow; 2 1/2 ft. **64890** 10

" **oculata (hP).** New light shades with red centers; very fine, large-flowering hybrids. **64900** 10

" **Extra-fine Mixed (hP).** **64910** 10

" **semi-plena Mixed (hP).** Superb; very large-flowering, semi-double varieties. **64920** 15

All the following "Picta" sorts are most elegant annuals, and well deserve very generous plantings.

picta (hA). Red-and-yellow; very brilliant. **64930** 5

" **Lorenziana.** Double; mixed colors; flowers large. See cut, p. 89. **64940** 5

" **Salmonea.** Salmon-red; fine. **64950** 5

" **Mixed.** Finest colors. **64960** 5

Collection of Gaillardia, including best 6 annual varieties. **64980** 25

GALEGA. Ornamental, tall-growing, hardy perennials, well suited for borders or cutting; blooms all summer; 3 to 4 ft. Pkt.

officialis. Blue. **65000** 5

" **alba.** White. **65010** 10

GAMOLEPIS Tagetes. **65030** 10

Half-hardy annual of easiest culture; continuous bloomer; fine for beds; flowers yellow; 1 ft. Pkt.

GARDENIA Thunbergii. **65050** 25

Favorite greenhouse plants, with pure white, fragrant flowers; 2 ft. Pkt.

GAURA Lindheimeri. **65070** 10

Free-flowering hardy annual, very effective in clumps; red-tinted white flowers; 2 to 3 ft. Pkt.

GENISTA canariensis. **65090** 10

Ornamental and free-flowering tender perennial; yellow flowers; 2 ft.

GENTIANA. Showy hardy perennials, valued for their beautiful, intense blue flowers early in the season. Pkt.

caulis (Blue Gentian). Dark blue; 3 in. in height. **65100** 10

cruciata. Azure-blue; 1 ft. **65110** 10

GERANIUM. Most valuable greenhouse plants, blooming continuously. For bedding in the outdoor garden nothing equals them; 1 1/2 ft. Pkt.

Zonale. Scarlet. **65130** 10

Double Scarlet (25 seeds in a packet). **65140** 50

Apple-scented. Pink; fragrant foliage. **65150** 25

See, also, Pelargonium.



FOXGLOVES

GERBERA (Transvaal Daisy). Very pretty half-hardy perennials, fine for garden border and also winter forcing; grows about 2 feet in height and blooms all through the season. Pkt.

Jamesonii. Deep scarlet (25 seeds in a packet).....**65180** 25
 " **hybrida, New Hybrids**. Great diversity of colors, from pure white to dark red; fine for cutting (25 seeds in a packet).....**65190** 30

GESNERIA. Beautiful greenhouse plants, with brilliant, long-tubed flowers and velvety leaves; 1 ft. Pkt.

macrantha. Scarlet.....**65210** 25
Extra-fine Mixed.....**65220** 25

GEUM. Handsome hardy perennials that bloom freely all the season; fine for bouquets; 1½ ft. in height. Pkt.

coccineum. Scarlet.....**65240** 10
atrosanguineum fl. pl. Double; crimson. **65250** 10

GILIA. Pretty hardy annuals that bloom most freely and continuously the whole season. Do finely in any situation; look well on lawn and in beds; are good for rockeries, and can be planted at any time; 1 ft. Pkt.

achilleifolia. Blue.....**65280** 5
 " **alba**. White.....**65290** 5
 " **rosea**. Rose.....**65300** 5
capitata. Light blue.....**65310** 5
 " **alba**. White.....**65320** 5
laciniata. Dark blue; dwarf (6 inches). For borders.....**65330** 5
liniflora. White; dwarf (6 inches). For borders.....**65340** 5
nivalis. White.....**65350** 5
tricolor. Violet, yellow and white...**65360** 5
 " **rosea splendens**. Rose...**65370** 5
Mixed.....**65380** 5

†**GLAUCIUM** (Horned Poppy). Showy hardy perennial, with large, poppy-like flowers and glaucous-blue foliage; of easiest culture; 2 ft. Pkt.

luteum. Yellow.....**65390** 5
Burbank's Hybrids. A fine mixture.**65400** 10

GLOBE AMARANTH. See Gomphrena.

GLOBULARIA trichosantha..... **65420** 10
 Handsome hardy perennial, dark blue flowers; good in well-drained borders, but especially showy in rockeries; 6 in.

GODETIA. Favorite, free-blooming hardy annuals, with widely opened flowers of satiny texture, and of the most delicate and lovely colors. They are beautiful for solid beds, border lines, pots, and for growing in shaded places, where so few really fine flowers will flourish. Sow seed in the open border in spring, or in a coldframe, and transplant seedlings to stand a foot apart in rather thin soil. Fine for cut-flowers. Average height, 1 ft. Pkt.

Bijou. Of dwarf, bushy habit; lovely bluish-white flowers borne in great profusion. **65450** 5

Crimson Glow. Intense, dazzling crimson; fine, compact grower; very floriferous. **65460** 15

Duchess of Albany. Satiny white...**65470** 10

Fairy Queen. Large, white flowers, with carmine spots.....**65480** 10

gloriosa (Lord Roberts). Darkest red; dwarf.....**65490** 10

grandiflora maculata. Great white flowers, blotched with carmine.....**65500** 5

Lady Albemarle. Dark crimson...**65510** 10

" " **compacta** (General Gordon). Dark crimson; dwarf.....**65520** 10

Lady Satin Rose (*G. Whitneyi compacta*, Brilliant). Bright carmine.....**65530** 5

GODETIA, continued

Lindleyana. White and red.....**65540** 5

Princess of Wales. Brilliant carmine; fine cut-flower variety.....**65550** 5

Rosamund. Large; glossy pink....**65560** 10
rubicunda splendens. Brilliant red; fine. **65570** 5

The Bride. White and crimson....**65580** 5

White Pearl. Beautiful glossy white; on long stems.....**65590** 5

Whitneyi. Superb, rosy flowers, blotched crimson; elegant pot-plant....**65600** 5

" **Brilliant**. Carmine; very showy. **65610** 5

Mixed, Tall Varieties.....oz. 40c...**65620** 5

" **Dwarf Varieties**.....**65630** 5

¼oz. 20c., oz. 50c...**65630** 5

Collection of Godetias, including 6 choice varieties.....**65640** 25

GOLDEN FEATHER. See Pyrethrum.

GLOXINIA. Greenhouse plants with magnificent flowers of great brilliancy; very decorative. If the seed is started early in the season the plants bloom the same summer; do best in light, rich soil; fine pot-plants for the window-garden; 1 to 1½ ft. Pkt.

hybrida grandiflora—

Mixed.....**65670** 50

crassifolia erecta, Mixed.....**65680** 50

" **horizontalis, Mixed**.. **65690** 50

Defiance. Glowing scarlet; superb; fine foliage.....**65700** 50

French Tigered and Spotted. Very rich colors; splendid.....**65710** 50

gigantea, "Cyclops". Carmine, white border, throat dotted with dark red.....**65720** 50

" **"Goliath"**. Purple, white border, delicately spotted throat. **65730** 50



GAILLARDIA PICTA LORENZIANA (see page 88)

GOMPHRENA (Globe Amaranth). These well-known hardy annuals are amongst the most popular of the "Everlastings" for dried winter bouquets; also well adapted for beds and edgings in the garden. Their round heads of flowers are also called "Bachelor's Buttons;" 1 ft.

globosa rubra. Purplish red.....	65750	Pkt. 5
" alba. White.....	65760	5
" carnea. Flesh-pink.....	65770	5
" variegata. Striped.....	65780	5
" nana compacta rubra. Purplish red; dwarf; for pots and borders; 6 in.....	65790	5
" nana compacta alba. White; dwarf.....	65800	5
" Mixed	65810	5
aurea superba (Haageana). Orange; very fine.....	65820	5
Collection of Gomphrena , including 6 varieties.....	65830	30

GOURDS (ORNAMENTAL) (hhA). These rapid-growing annual climbers have most luxuriant foliage and are excellent for covering verandas or trellis-work, and for training over arbors, fences, etc.; bear most curious fruits; the vines are immune from insect pests; 10 to 25 ft.

Apple-shaped. A good sort.....	65860	Pkt. 5
Bottle Gourd	65870	5
Calabash. The Pipe Gourd.....	65880	10
Dipper-shaped	65890	5
Dish-cloth. Chinese Luffa. Interior useful as a sponge.....	65900	5
Egg-shaped. White, egg-like fruits.....	65910	5
Hercules' Club. Long green fruits.....	65920	5
Knob-Kerrie Gourd. Green-and-yellow fruits, ball-shaped, with long handles.....	65930	10
Mock Orange. Orange-shaped fruits; one of the best known.....	65940	5
Pear-shaped. Very showy.....	65950	5
Sugar Trough	65960	5
Mixed. A fine assortment.....	65980	5
Collection , including 12 varieties of small ornamental Gourds.....	65990	50

GRAMMANTHES gentianoides..... 66020 10
Hardy annual; scarlet flowers; for edgings, pots or baskets; 6 in.



HELICHRYSUM BRACTEATUM

GREVILLEA robusta (Silk Oak)..... 66040 10
Graceful, evergreen greenhouse plant, easily raised from seed; fern-like foliage; fine for table decoration.

GUNNERA (Chilian Rhubarb). Hardy perennial, decorative lawn plants; leaves gigantic, often 7 to 8 feet long; flowers reddish purple. Need rich soil and plenty of water; 4 to 6 ft.

manicata	66060	Pkt. 25
scabra	66070	25

GYPHOPHILA (Baby's Breath). Both the annual and perennial varieties are most easily grown; very graceful and delicate flowers and foliage; fine for rock-work or shrubbery and bouquets; 2 ft.

elegans (hA). Pure white..oz. 30c.....	66090	Pkt. 5
" grandiflora alba (hA). Large-flowering, white..oz. 30c.....	66100	10
" carminea (hA). Rosy carmine; elegant.....	66110	10
" rosea (hA). Rose.....	66120	5

muralis (hA). Pink; dwarf; very fine; 6 in..... 66130 10

cerastioides (hP). White; dwarf; fine for cutting; 6 in..... 66140 25

paniculata (hP). White; fine for bouquets. 66150 10

" **fl. pl.** (hP). Fine clusters of double, white flowers; rare; foliage very dainty and filmy; very fine for cutting... 66160 50

HAWKWEED (Crepis). Showy, hardy annuals of easiest culture; 1 to 1½ ft.

Golden Yellow	66200	Pkt. 5
Red	66210	5
White	66220	5

†HEDYSARUM. Hardy biennials, with racemes of beautiful, pea-shaped flowers; adapted for borders and rockwork. Of the easiest culture. So-called "French Honeysuckle," but no relation to that vine. Not a climber; 3 ft.

coronarium. Scarlet.....	66240	Pkt. 5
" album. White.....	66250	5

HELENIUM autumnale superbum (Sneeze-wort)..... 66270 10

Late-flowering hardy perennials; broad heads of elegant, golden yellow flowers; fine for cutting; 5 to 6 ft.

HELICHRYSUM (Eternal Flowers). A most popular, hardy annual; the flowers are large and the colors bright; highly prized for winter bouquets. Flowers intended for drying should be gathered when partially unfolded, and suspended with heads downward in a cool and airy place; 1 to 2 ft.

bracteatum. Single-flowering; yellow.....	66290	Pkt. 5
" album. White.....	66300	5
" nanum atrococcineum. Dark scarlet.....	66310	5
" nanum atosanguineum. Dark red.....	66320	5
" Mixedoz. 40c.....	66330	5
monstrosum, Double Mixed	66340	10
" Dwarf Double Mixed	66350	10

Collections of Helichrysum, including—
6 varieties of Double..... 66370 30
6 varieties of Dwarf Double..... 66380 30

HELIOPSIS Pitcheriana..... 66400 10

This well-known hardy perennial is esteemed highly for the garden border and for cutting; bears beautiful golden yellow flowers all summer; 3 ft.

HELIOTROPIMUM (HELIOTROPE). These favorite greenhouse and bedding plants are highly valued for their scented flowers; succeed best in light but rich soil; bloom first season from seed; 1½ ft.

Mad. de Blonay. White.....	66420	Pkt. 10
peruvianum. Light blue.....	66430	10
Voltaireanum. Bluish purple; dwarf.....	66440	10

HELIOTROPIUM, continued

White Lady. White; large flower....	66450	Pkt. 10
Lemoine's Giant, Mixed. Very fine, large flowers	66460	10
Dark-leaved Sorts, Mixed	66470	10
Fine Mixed	66480	10
Collections of Heliotrope, including—		
12 best varieties	66490	90
6 best varieties	66500	50

HELIPTERUM. Half-hardy annuals, with dense masses of flowers; resemble Helichrysums, and useful in the same way as "Everlasting" flowers; 1 ft.

corymbiflorum. White.....	66530	Pkt. 5
Sanfordii. Yellow.....	66540	5

HELLEBORUS (Christmas Rose). These well-known, spring-flowering, hardy perennials thrive finely in any common soil, in a sheltered, semi-shady situation; 1 ft.

niger. White.....	66560	Pkt. 10
Mixed Hybrids. Very fine.....	66570	25

HESPERIS. See Rocket.

HEUCHERA. Compact-growing hardy perennials, with erect spikes of brilliant flowers; fine for the border, blooming all summer; nothing more desirable for cut-flowers; 1 ft.

sanguinea. Crimson; fine for pots and cutting.....	66600	Pkt. 15
" splendens. Dark red; splendid.....	66610	25
" hybrida, Mixed. Many effective varieties.....	66620	15

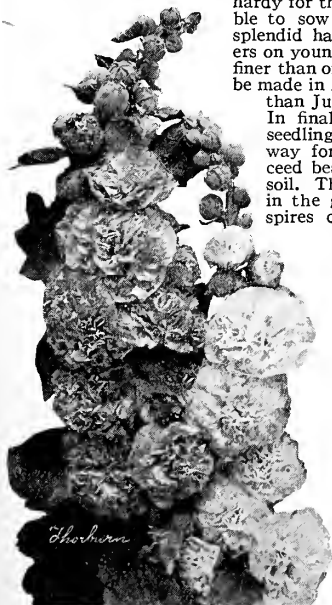
HIBISCUS (Mallow). All the species bear very showy flowers and are easily grown; should be employed largely in every garden.

africanus (hA). Free-flowering, fine annual; flowers yellow and purple; 2 ft..	66640	Pkt. 5
Crimson Eye (†hP). White and crimson; splendid in borders; 4 ft.....	66650	10
syriacus, Double (hS). Pink and white. This is the "Rose of Sharon;" 6 ft..	66660	5
moscheutos roseus (hP). Large, rose-colored flowers; 4 ft.....	66670	5

HOLLYHOCKS (*Althaea rosea*). Although Hollyhocks are very permanent and hardy for the first winter, it is advisable to sow seed every year of these splendid hardy perennials, as the flowers on young, vigorous plants are much finer than on old ones. Sowings should be made in April or May, and not later than June, to flower the next year. In final transplanting give each seedling a foot or more space each way for development. They succeed best in an ordinary deep, rich soil. They make a glorious show in the garden with their splendid spires of flowers. Water well in dry weather. Average height, 6 feet. **Our seed is of magnificent, double varieties, grown from Chater's celebrated collection,** which has revolutionized the popular estimation of the Hollyhock.

DOUBLE ROSETTE.

A perfect double variety of finest form; exquisite shade of red, center like a beautifully frilled rosette; flower-spikes 6 feet in height, and all flowers open about the same time.



DOUBLE HOLLYHOCKS

DOUBLE HOLLYHOCKS, ROSETTE, continued

Makes a magnificent display in the garden or hardy border.....	66700	Pkt. 25
Bright Pink	$\frac{1}{4}$ oz. 60c..	66710 10
Bright Rose	$\frac{1}{4}$ oz. 60c..	66720 10
Bright Scarlet	$\frac{1}{4}$ oz. 60c..	66730 10
Cherry	$\frac{1}{4}$ oz. 60c..	66740 10
Chamois-Rose	$\frac{1}{4}$ oz. 60c..	66750 10
Lilac	$\frac{1}{4}$ oz. 60c..	66760 10
Light Rose	$\frac{1}{4}$ oz. 60c..	66770 10
Maroon	$\frac{1}{4}$ oz. 60c..	66780 10
Salmon	$\frac{1}{4}$ oz. 60c..	66790 10
Snow-White	$\frac{1}{4}$ oz. 60c..	66800 10
Yellow	$\frac{1}{4}$ oz. 60c..	66810 10
Mixed Double	$\frac{1}{4}$ oz. 50c..	66820 10

" Allegheny, Fringed	$\frac{1}{4}$ oz. 75c..	66830 15
" Single	$\frac{1}{4}$ oz. 50c..	66840 5

Collections of Double Hollyhocks, including—
 12 vars. Chater's Superb..... **66850** 80
 8 vars. Chater's Superb..... **66860** 60
 6 vars. Chater's Superb..... **66870** 45

ANNUAL HOLLYHOCKS. This annual strain blooms the first year from seed, if started early in the house.

Annual Varieties, Double and Semi-Double, Mixed..... **66900** 15

†**HONESTY** (*Lunaria biennis*)..... **66920** 10
 Hardy biennial. Purple, with silvery seed vessels; prized for winter decorations; 2 ft.

HORNED POPPY. See Glaucium. Pkt.

HUMEA elegans alba..... **66940** 15
 Half-hardy biennial; white, sweet-scented flowers. Keep in pots the first season then plant out in garden border; 5 ft.

HUMULUS (Climbing Hop). The well-known, fast-growing, hardy annual climber; 15 to 20 ft. Pkt.

japonicus (Japanese Hop). Beautifully cut green foliage; makes fine shade	$\frac{1}{4}$ oz. 40c..	66960 5
" variegatus. With white-variegated leaves; fine.....	$\frac{1}{4}$ oz. 20c., oz. 50c..	66970 5

HUNNEMANNIA fumarifolia..... **66980** 10
 Very showy hardy annual with large, golden yellow flowers and feathery, glaucous foliage; 1½ ft.



HUNNEMANNIA FUMARIÆFOLIA

HYACINTHUS candicans.....66990 5 Pkt.
Favorite hardy bulbous plant; white, bell-shaped
flowers; 4 ft. Pkt.

HYPERICUM elegans (St. John's Wort)... 67010 10 Pkt.
An elegant hardy perennial; blooms all summer;
yellow flowers; 1½ ft.

IBERIS. See Candytuft.

ICE PLANT (*Mesembryanthemum crystal-
linum*).....67040 5 Pkt.
Half-hardy annual; its succulent leaves are covered
with watery vesicles resembling pieces of ice; white
flowers; 6 in.

See, also, *Mesembryanthemum*.

IMPATIENS (Touch-me-not). Charming greenhouse
and window-garden plants that bloom profusely and
almost continuously. Good also for bedding; 1 to 1½ ft. Pkt.

Holstii. Large, vermilion flowers; quick
grower; splendid.....67060 25

“ **hybrida, Mixed**. Finest colors. 67070 25

Sultani. Bright rosy carmine; fine for
pots.....67080 25

“ **Queen Carola**. Chamois; very
fine.....67090 25

“ **hybrida, Mixed**. Splendid mix-
ture.....67100 25

glanduligera (tA). Purple flowers; bright
foliage67110 10

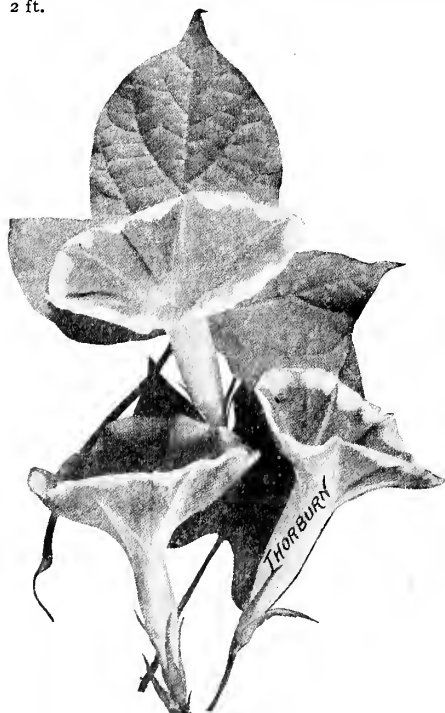
***INCARVILLEA**. Ornamental hardy perennials, with
brilliant gloxinia-like flowers; continuous bloomers;
succeed well in any situation, and make a fine show in
the garden; 2 to 3 ft. Pkt.

Delavayi. Rosy carmine; splendid border
plant.....67130 25

grandiflora. Large, dark carmine flow-
ers.....67140 25

variabilis. Large, rose-colored flowers; fine
sort for cutting.....67150 25

INULA glandulosa grandiflora.....67170 25
Splendid hardy perennial, with large, orange-yellow
flowers borne on erect stems; in bloom all summer;
2 ft.



IMPERIAL JAPANESE MORNING-GLORY

IPOMOEA (MOONFLOWER. MORNING-GLORY. CYPRESS VINE).

Of all climbers for garden and greenhouse these are the quickest and most luxuriant in growth. Ipomoeas grow so easily from annual sowings that it is no longer thought necessary to winter over roots or young-cutting plants under glass. The large, thorny seeds of some varieties should be soaked in hot water before planting. For early flowers sow in hotbeds or pots and boxes under glass, and transplant to rich, deep soil in summer quarters as soon as danger of frost is over, when sowings may also be made in the open ground. Nothing finer for porches, trellises, etc.

*These are very hard-seeded, and, in order to hasten germination, a notch should be filed in the seed before planting.

ANNUAL VARIETIES. From early sowings these begin to bloom about midsummer, and are full of beautiful flowers all the season, often blooming freely until cut down by frost. Pkt.

***bona nox** (Good Night, or Evening Glory). Large, blue flowers open in the evening; 15 ft.....67200 5

coccinea. Scarlet flowers; 10 ft... 67210 5

“ **lutea**. A yellow-flowered variety.....67220 5

hederacea grandiflora superba. Rich sky-blue flowers with white margins; 15 ft.....67230 5

“ **grandiflora fol. marmoratis, Mixed, Variegated**. 67240 5

IMPERIAL JAPANESE MORNING-GLORY.

The leaves are mostly plain green, but some are oddly blotched with white or yellow. Flowers vary from pure white to carmine, through blues and purples of every shade; 30 to 40 ft.

Finest Single Mixed. Large-flowered; all colors.....67260 5

Fringed Single Mixed. All beautifully fringed.....67270 5

Double-flowered Mixed. Superb mixture of double sorts.....67280 15

Giant "Mikado." Largest-flowered... 67290 10

limbata. Violet and white; 5 ft... 67320 5

***mexicana grandiflora alba**. The great white Moonflower; 15 ft... 67330 10

“ **grandiflora hybrida alba**. Flowers very large and numerous; 15 ft.....67340 10

***Nil grandiflora**. Light blue, large flowers; 15 ft.....67350 5

rubro-cærulea, Heavenly Blue. The very large, clustered flowers of beautiful sky-blue open early in the morning. Unusually distinct and handsome; 10 ft. Sow early.....67370 10

rubro-cærulea alba. White; 8 ft...67380 10

rubro-cærulea grandiflora. Early-flowering. Produces gorgeous sky-blue flowers with rose-colored markings, from 4 to 5 inches across, in great abundance. Rapid grower. If sown in boxes or hotbeds, the young plants may be set out in April or May in a sunny situation, where they will flower from about midsummer until frost. Flowers remain open all day; 15 to 18 ft.....67390 15

Quamoclit (Cypress Vine; Star Flower). A tender annual, with finely cut leaves and small, star-shaped flowers. This, the type, is scarlet-flowered; 10 ft.....67430 5

IPOMOEAE, continued

- QUAMOCLIT HYBRIDA—CARDINAL CLIMBER.** One of the best annual climbers introduced for many years. Rapid grower with branching habit; flowers all summer in fiery cardinal-red clusters; 25 feet.... **67440** 25 Pkt.
- " **Kerberi.** Fine scarlet flowers; blooms late.... **67450** 10
- " **White.**..... **67460** 5
- " **Mixed Cypress Vine.**..... **67470** 5
- Ivy-leaved Cypress Vine.** Pretty leaves, deeply lobed; fiery orange-scarlet flowers..... **67480** 10
- Collection of Ipomoea**, including 12 varieties annual sorts..... **67500** 50

GREENHOUSE CLIMBERS. These handsome vines grow nicely in open ground, but bloom almost too late to be very useful there, in all except warm climates. Grown in pots, tubs or greenhouse beds, they flower grandly between October and spring. Pkt.

- Learii.** Quick, strong grower, sometimes succeeding well outdoors. Flowers violet-blue; 15 ft..... **67520** 10
- setosa** (Brazilian Morning-Glory). This vine makes an immense, thick growth of great, lobed leaves lighted by a profusion of large, rosy flowers, with a satiny pink star in the centers. The red pubescent stems and seed-pods add very much to its attractiveness; 10 to 20 ft. **67530** 10

IPOMOPSIS. Showy and beautiful tender biennials; the seeds should be started in the house; flowers very bright in color; 2 ft. Pkt.

- elegans.** Scarlet..... **67560** 10
- " **aurantiaca.** Orange..... **67570** 10
- " **sanguinea.** Scarlet..... **67580** 10
- " **Mixed.**..... **67590** 10

IRIS Kaempferi...... **67620** 10

These most desirable hardy herbaceous perennials begin to bloom the second year from seed. Our assortment is saved from a fine collection; 2 ft. Pkt.

JACOB'S LADDER (Polemonium). Beautiful, old-fashioned, hardy perennial border plants; flowers in clusters; 2 ft. Pkt.

- Blue.**..... **67650** 5
- White.**..... **67660** 5

JACOBÆA (Senecio). Very free-flowering, hardy annuals of easy culture; good for both pots and bedding; 1 to 1½ ft. Pkt.

- elegans fl. pl., Tall Double, White.** **67680** 5
- " " " " **Purple.** **67690** 5
- " " " " **Mixed.** **67700** 5

Collection of Jacobæa, including 6 varieties Dwarf Double..... **67720** 35

JAPANESE MORNING-GLORY. See Ipomoea.

JOB'S TEARS. See *Coix Lacryma*.

JOSEPH'S COAT. See *Amarantus*.



KAULFUSSIA AMELLOIDES

KAULFUSSIA. Hardy annual, succeeding well in any good soil; fine for edgings and pots; good habit and bright colors; 1 ft. Pkt.

- amelloides.** Blue..... **67770** 10
- " **atroviolacea.** Dark violet.... **67780** 10
- " **Kermesina.** Violet-red.. **67790** 10
- " **Mixed.**..... **67800** 10

KENILWORTH IVY. See *Linaria*.

†**KENNEDYA.** Profuse-blooming, perennial climbers for the greenhouse. Do best in sandy loam; 10 ft. Pkt.

- coerulea.** Blue..... **67820** 10
- Comptoniana.** Purple..... **67830** 10

KOCHIA trichophylla (Improved Summer Cypress).....oz., 25c... **67860** 5

A rapid-growing, hardy annual; foliage green, turning to fiery red in autumn; very ornamental on the lawn; 2 to 3 ft. in height. Pkt.

†**KUDZU VINE** (*Pueraria Thunbergiana*). **67880** 10

A perennial climber from Japan; fine when once established, often growing 40 feet in a season. Purplish violet, fragrant, wistaria-like flowers; good foliage. Pkt.

†**LANTANA, Fine Mixed.**..... **67930** 5

Rapid-growing, tender perennial, forming small, bushy shrubs; fine for bedding and pot culture; 2 ft. Pkt.

†**LAPAGERIA rosea.**..... **67950** 50

Beautiful perennial greenhouse climber; large, rosy crimson, bell-shaped, waxy flowers; 15 ft.

LARKSPUR. See *Delphinium*.

LATHYRUS latifolius (Perennial Pea). (HP.) These have not the fragrance of sweet peas, but bloom through a long season; are hardy and will live for years; they make a beautiful screen for rocks, stumps, fences, etc.; 4 to 8 ft. Pkt.

Crimson. Beautiful shade..oz. 50c... **68000** 10

Pink Beauty. Blossoms white, veined, edged and shaded pink...oz. 50c... **68010** 10

White. Valuable for cut-flowers in mid-summer.....oz. 50c... **68020** 10

magellanicus (Lord Anson's Peas). These hardy annuals are said to have been originally introduced by the cook of H. M. S. *Centurion*, commanded by Lord Anson in 1744. Medium-sized flowers produced in bunches from June until end of July; 3 to 5 ft. Pkt.

Blue. Strong-growing; dark purple-blue. oz. 20c... **68040** 05

White. A pretty white form of above. oz. 20c... **68050** 5

odoratus (Sweet Pea). See page 69.



KOCHIA TRICOPHYLLA

LAVATERA. Very showy and free-flowering; splendid for large beds in the garden, where they bloom all summer; fine for cut-flowers. Pkt.

- trimestris** (hA). Red; makes a brilliant show in the garden; 2½ ft. **68080** 5
 “ **alba** (hA). White. **68090** 5
arborea (Tree Mallow) (hB). Purple; 6 ft. **68100** 5
 “ **variegata** (hB). Ornamental foliage, mottled yellow and white. **68110** 15

LAYIA elegans **68140** 10
 Pretty, dwarf-growing, hardy annual, with yellow-and-white flowers; of easiest culture; 1 ft.

LEMON VERBENA. See Verbena.

LEONTOPODIUM alpinum (Edelweiss). Pkt.
68180 15
 Pretty hardy perennial from the Alps, with white leaves; used in rockwork; 6 in.

LEPTOSIPHON. Elegant hardy annuals and should be in every garden; fine for edgings or rockeries; blooms in masses; 1 ft. Pkt.

- androsaceus.** Lilac. **68200** 10
 “ **albus.** White. **68210** 10
aureus. Orange. **68220** 10
carmineus. Carmine; very beautiful and showy. **68230** 10
densiflorus. Blue. **68240** 10
 “ **albus.** White. **68250** 10
hybridus, Mixed. **68260** 10
Mixed. **68270** 5



LUPINUS POLYPHYLLUS (see page 95)

LEPTOSYNE. Fragrant half-hardy annuals; large, marguerite-like flowers on long stems, good for cutting; 1 to 2 ft. Pkt.

- maritima.** Yellow. **68290** 10
Stillmanii. Golden yellow; blooms six weeks after sowing. **68300** 10

LIATRIS (Kansas Blazing Star). Showy hardy perennials; do well in common soil; large spikes of flowers. Pkt.

- pycnostachya.** Purple; 3 ft. **68320** 15
spicata. Purple; 2 ft. **68330** 15

LIMNANTHES Douglasii **68350** 10
 A vigorous, dwarf-growing hardy annual, with yellow-and-white fragrant flowers; 1 ft.

LINARIA (Toad Flax). Snapdragon-shaped flowers, fine for cutting. The dwarf-growing varieties are desirable for edgings and rockwork; all of the easiest culture. Pkt.

- bipartita alba** (hA). White; 1 ft. **68380** 5
 “ **elegans** (hA). Purple; 1 ft. **68390** 5
 “ **splendida** (hA). Dark violet; 9 in. **68400** 5

maroccana (hA). Purple; 9 in. **68410** 5
 “ **Mixed Hybrids** (hA). Very fine; 9 in. **68420** 10

cymbalaria (Kenilworth Ivy). (hP.). Charming, hardy perennial, trailing plants for baskets, rockwork, etc. **68430** 10

macedonica speciosa (thP). Strikingly handsome, large yellow flowers; fine for cutting; 3 ft. **68440** 25

LINUM (Flax). Pretty, free-flowering garden plants of easy cultivation. Pkt.

- flavum** (thhP). Yellow; fine; 1 ft. **68470** 5
grandiflorum rubrum (hA). The favorite “Scarlet Flax.” Large-flowered; 1 ft. **68480** 5
Lewisii variegatum (thP). Lilac-and-white; 2½ ft. **68490** 10

LISIANTHUS Russellianus (gA) **68510** 25
 Very beautiful, gentian-like plant; large, deep purple flowers. A long time in bloom; 1½ ft.

LOASA. Curious, prickly annuals with singular flowers and stinging foliage; do well in common soil. Pkt.

- aurantiaca (lateritia)** (hhA). A twining climber with brilliant orange-red flowers; 6 ft. **68530** 10
tricolor (hA). Orange, red and green; 2 ft. **68540** 10

LOBELIA. The Erinus varieties bloom very quickly from seed and flower all through the season. For beds, edgings, baskets and pots there is nothing prettier. Sow outdoors in early spring where the plants are to grow, and thin moderately; or transplant several inches apart in rich, open soil. Some stimulant given when they are in bloom greatly improves the flowers. Almost all are also good winter conservatory plants of trailing habit. The perennial or tall varieties are handsome, showy plants and will be found quite effective for backgrounds and grouping. Pkt.

ERINUS VARIETIES (tA)—

- gracilis.** Blue; trailing; beautiful for baskets. **68570** 5
speciosa, Crystal Palace. A favorite blue-flowered edging plant; 6 in. **68580** 10
alba. White flowers. **68610** 10
kermesina. Crimson. **68620** 10
Lindleyana. Rose, white eye. **68630** 10
Paxtoniana. Blue and white. **68640** 10
Barnard's Perpetual. Deep blue, with white eye; very fine. **68650** 10
Royal Purple. Deep blue, with a distinct white eye. **68660** 10
erecta, Crystal Palace compacta. Dark blue; for bedding; 6 in. **68690** 20
 “ **Emperor William.** Light blue; very fine. **68700** 20

LOBELIA, continued

Pkt.

- erecta, Golden Queen.** Dwarf; blue flowers; yellow leaves; very fine sort.....**68710** 25
- " **White Lady.** Splendid large-flowered white.....**68720** 10
- Collections of Lobelia, including—**
- 12 varieties.....**68740** 60
- 6 varieties.....**68750** 35

PERENNIAL VARIETIES —

- cardinalis** (Cardinal Flower). Long spikes of richest cardinal-red; 2½ ft.....**68780** 10
- " **(fulgens), Queen Victoria.** Brilliant scarlet; dark leaves 2½ ft.....**68790** 25
- ramosa.** Blue; flowers profusely in fall; 1½ ft.....**68810** 10

LOPHOSPERMUM scandens.....**68840** 10

A splendid, tender annual climber, with trumpet-shaped dark rose flowers; 10 ft.

LOTUS. Pretty and interesting plants that succeed well with ordinary care; 2 ft. Pkt.

- Jacobæus** (tA). Dark brown flowers; good for beds.....**68860** 10
- peliorhynchus** (gP). Red; fine for hanging-baskets.....**68870** 15

LOVE-LIES-BLEEDING. See *Amarantus caudatus*.LOVE-IN-A-MIST (*Nigella*). Pretty and ornamental hardy annuals, with feathery, fennel-like foliage and curious flowers; of easiest culture. Also called "Devil-in-a-Bush." 1 to 1½ ft. Pkt.

- Double Blue**.....**68890** 5
- Double White**.....**68900** 5
- Miss Jekyll.** Beautiful; double; cornflower-blue.....**68910** 10
- Blue Spanish**.....**68930** 5
- White Spanish**.....**68940** 5
- Mixed Spanish**.....**68950** 5
- Mixed, All Sorts**.....oz. 30c..**68970** 5

LUPINUS (LUPINE).

ANNUAL VARIETIES. These garden favorites are amongst the most beautiful of our hardy annuals; extremely varied in color, of the easiest culture, and bloom all summer. Splendid for beds, borders and backgrounds; 2 to 3 ft. Pkt.

- Cruikshanksii.** Blue, white and yellow.
.....**69000** 5
- Hartwegii.** Blue.....**69010** 5
- " **albus.** White.....**69020** 5
- " **roseus.** Rose.....**69030** 5
- hirsutus.** Blue; large flower.....**69050** 5
- " **albus.** White.....**69060** 5
- " **ruber.** Red.....**69070** 5
- hybridus roseus.** Rose.....**69080** 10
- luteus, Romulus.** Immense; yellow....
.....**69090** 10
- mutabilis.** White, yellow and violet; sweet-scented.....**69100** 5
- nanus.** Dwarf; blue; fine for growing in front of tall sorts.....**69110** 5
- Mixed Annual Varieties.** oz. 25c..**69130** 5

PERENNIAL VARIETIES. The hardy perennial varieties should have a generous place in every garden. The long spikes of pea-shaped flowers are strikingly handsome in the spring. Ornamental foliage and good habit; 3 to 5 ft. Pkt.

- arboreus.** Yellow Tree Lupine....**69160** 10
- " **albus** (Snow Queen). Pure white; very fine.....**69170** 25
- " **polyphyllus.** Blue.....**69200** 5
- " **albus.** White.....**69210** 5

LUPINUS, continued

Pkt.

- polyphyllus Moerheimii.** Rose and white; rather dwarf habit; beautiful.....**69230** 25
- " **roseus.** Rose; magnificent. See cut p.94.**69240** 25
- " **Mixed**.....**69260** 5
- tricolor elegans.** Orange, rose and white.....**69280** 5
- Collection of Lupinus, including 12 best varieties**.....**69300** 45

†LYCHNIS. Free-flowering, hardy perennials with brilliantly colored flowers; excellent for massing in and borders. Pkt.

- chalconica.** Scarlet; 2 ft.....**69330** 5
- " **alba.** White.....**69340** 5
- fulgens.** Brilliant scarlet; 1½ ft....**69350** 10
- Haageana hybrida, Mixed.** Fine colors; 1 ft.....**69360** 10

MADIA elegans.....**69410** 10

Handsome hardy annual; should have a shady position; long bloomer; yellow flowers; 2 ft.

MALLOW. See Hibiscus.

MALOPE. Very pretty, free-blooming hardy annuals with mallow-like flowers. Sow the seed early; good for beds and borders; 2 to 3 ft. Pkt.

- grandiflora alba.** White.....**69440** 5
- " **rosea.** Rose.....**69450** 5
- " **rubra.** Red.....**69460** 5
- " **Mixed**.....**69470** 5

MALVA. Handsome garden plants that bloom continuously all summer and are very fine for cut-flowers. Pkt.

- miniata** (tA). Scarlet; carried on long, strong stems; 3 to 4 ft.....**69490** 5
- moschata alba** (Musk Mallow). (thP.) White; fragrant; 2 ft....**69500** 10
- " **rosea** (thP). Rose-flowered variety; fine.....**69510** 10

MANDEVILLEA suaveolens (gP)....**69530** 10

This fine greenhouse climber has deliciously sweet and beautiful, snowy white flowers; 10 ft.



LYCHNIS HAAGEANA HYBRIDA

MARIGOLD (TAGETES). These, like the Calendulas, are valuable because they light the garden with such a grand glitter of yellow far into the frosts of autumn. The dwarf varieties make a fine border for taller sorts, and both are effective when planted in groups or in garden borders. Hardy annuals. Average height, 1 to 2 ft. *All our own special strains, vastly different from the ordinary sorts commonly sold.* Pkt.

AFRICAN VARIETIES—

Delight of the Garden. Dwarf; large-flowered; lemon-yellow; double; fine for edging large beds..... **69560** 10

Eldorado. Large, quilled, perfectly double; brilliant shades of yellow..... **69570** 5
 $\frac{1}{4}$ oz. 20c., oz. 60c.

Lemon Queen. Very rich lemon-yellow..... **69580** 5

Orange. Rich..... **69590** 5

Pride of the Garden. Extra-large, double flowers of richest yellow; dwarf and neat..... **69600** 10

Prince of Orange. Beautiful orange-color..... **69610** 5

Mixed Double. $\frac{1}{4}$ oz. 20c., oz. 50c. **69620** 5

FRENCH VARIETIES—

Tall Dark Brown. Reddish brown; extremely floriferous..... **69640** 5

Dwarf Striped. Flowers handsomely marked..... **69650** 10

“ **Dark Brown.** Beautiful reddish brown..... **69660** 10

“ **Legion of Honor (Little Brownie).** Single; golden yellow, marked velvety red..... **69670** 10

Tall Mixed, Double...... **69680** 5
 $\frac{1}{4}$ oz. 20c., oz. 60c.

Dwarf Mixed, Double...... **69690** 5
 $\frac{1}{4}$ oz. 15c., oz. 40c.

Collections of Marigolds, including—

12 vars. Double French..... **69710** 45

6 vars. Double French..... **69720** 25

6 vars. Double African..... **69730** 30

See, also, Calendula.

MARTYNIA. Curious and handsome half-hardy annuals for the border, with bright flowers, borne in profusion, and followed by quaint pods which are used for pickling; $1\frac{1}{2}$ ft. Pkt.

craniolaria. White, spotted..... **69760** 5

formosa. Red-violet..... **69770** 5

lutea. Yellow..... **69780** 5

proboscidea. Reddish white..... **69790** 5

MARVEL OF PERU. See Four o'Clock.

MATHIOLA bicornis...... **69820** 10

Half-hardy annual; lilac flowers, open and fragrant at night, but closed during the day. Known as Night-scented Stock; 1 ft.

MATRICARIA. Free-flowering hardy annuals; with a profusion of dainty flowers; bloom all summer; good for bedding or pots; $1\frac{1}{2}$ ft. Pkt.

capensis fl. pl. (Feverfew). Small, double, white flowers; pretty and neat. **69830** 5

eximia, Golden Ball. Golden yellow; fine for pots..... **69840** 15

“ **fl. pl.** Double; white..... **69850** 5

†† **MAURANDYA.** Rapid-growing, half-hardy perennial climbers that can be treated as annuals. Fine for garden or greenhouse; bloom all summer in hanging-baskets and vases or on trellises; 10 ft. Pkt.

antirrhiniflora. Purple..... **69870** 10

Barclayana. Blue..... **69880** 10

“ **alba.** White..... **69890** 10

Emeryana rosea. Rose..... **69900** 10

purpurea grandiflora. Purple..... **69910** 10

Mixed..... **69920** 10

* **MELIANTHUS major.** (gP)..... **69950** 10

An effective ornamental plant with brownish flowers; can be bedded out in summer; a favorite in subtropical gardening; 5 ft. Pkt.

MELILOTUS coerulea...... **69970** 5

Ornamental hardy annual like the lotus; sweet-scented, blue flowers; good for bees; 2 ft. Pkt.

† **MELOTHRIA scabra.**..... **69990** 10

An interesting, half-hardy annual tropical vine with light blue flowers; 10 ft.

MESEMBRYANTHEMUM. These beautiful half-hardy annuals flower profusely in dry and sunny situations; fine as edging plants; 6 in. Pkt.

cordifolium variegatum. Rose; cream foliage; very dwarf; a fine variety for carpet-bedding or for edging and for rockwork..... **70020** 15



MELIANTHUS MAJOR



AFRICAN MARIGOLDS

MESEMBRYANTHEMUM, continued

- crystallinum** (Ice Plant). White flowers; succulent leaves covered with sparkling ice-like globules.....**67040** 5
- tricolor**. Crimson, pink and white; fine in dry situations.....**70030** 5
- “ **album**. White.....**70040** 5

MIGNONETTE (*Reseda odorata*). Seed of this popular hardy annual can be sown at any time, and if successive sowings are made, its fragrant, modest-colored flowers may be gathered outdoors until November. Sow in pots or boxes under glass in February or March, and thin or pot off the seedlings to make good plants for bedding out in April. Sow outdoors in rows about April 1, and again regularly at intervals of about three weeks till August, a row or two at a time for succession. The July sowing will make good winter-flowering plants; 1 ft. Pkt.

Reseda odorata grandiflora (Sweet Mignonette).....oz. 25c...**70060** 5

Allen's Defiance. Spikes of great length; very fragrant and fine for cutting; 1½ ft. ¼oz. 20c., oz. 60c...**70070** 10

Crimson Giant (*ameliorata*). Red-flowered.....**70080** 5

Diamond. Pure white flowers; fine; very sweet-scented**70090** 10

Gabrielle. Large; red; 9 in..... **70100** 10

Giant Pyramidal. 1½ ft.....**70110** 10

Golden Queen. Golden yellow....**70120** 10

Goliath. Red; enormous spikes; striking; very sweet-scented.....**70130** 15

Machet, Dwarf. Deep red.....**70140** 10

“ “ **Bismarck**. Improved Machet. Large spikes of golden yellow flowers. **70150** 10

“ “ **Golden**.....**70160** 10

“ “ **Ruby** (Rubin). Very fine strain of the Machet, with coppery scarlet flowers.....**70170** 10

“ “ **White Pearl**. The best white variety....**70180** 15

Miles' Spiral. 1 ft.....**70190** 5

Paris Market (Crimson Queen). Crimson. **70200** 10

Parsons' White. White and buff; 9 in... **70210** 5

Victoria. Compact; bright red; 6 in..**70220** 5

Collection of Mignonette, including 12 varieties.....**70250** 50

MIMOSA pudica (Sensitive Plant)....**70280** 10

A curious and interesting, half-hardy annual, with pinkish flowers; leaves close when touched; 1½ ft.

MIMULUS (Monkey Flower). Showy half-hardy perennials; do best in a moist situation in the garden; easily grown; 1 ft. Pkt.

cardinalis. Scarlet.....**70300** 10

cupreus, Mixed.....**70310** 10

moschatus (Musk Plant). Yellow; fragrant foliage.....**70320** 10

“ **compactus**. Yellow; dwarf... **70330** 15

Roetzlii. Golden yellow; dwarf.....**70340** 25

tlgrinus. Tigered and spotted varieties.... **70350** 10

“ **grandiflorus** (Queen's Prize). Large-flowered variety of above. **70360** 25

MINA lobata.....**70380** 10 Pkt.

A beautiful and free-flowering, half-hardy annual climber, with scarlet-and-yellow flowers; 15 ft.

MIRABILIS. See Four o'Clock. Pkt.

MOLUCELLA spinosa (Shell-flower)..**70400** 10

A splendid hardy annual; rose-colored flowers and very fine foliage; 3 ft.

MOMORDICA. Handsome and ornamental, climbing, half-hardy annuals with yellow flowers; fine for covering rockwork, trellises, etc.; 10 ft. Pkt.

Balsamina (Balsam Apple). Apple-shaped fruit; glossy green foliage. Often used for its medicinal qualities.....**70420** 5

Charantia (Balsam Pear). Pear-shaped fruit; heavy green foliage.....**70430** 5

Elaterium (Squirting Cucumber). The oblong fruits eject their seed at the slightest touch.....**70440** 5

MONARDA didyma (Oswego Tea)....**70460** 25

Very ornamental and beautiful, hardy perennial, with bright scarlet flowers; 3 to 4 ft.

MONK'S HOOD. See Aconitum.

MONKEY FLOWER. See *Mimulus*.

MOONFLOWER. See *Ipomœa mexicana*.

MORNING-GLORY. See *Convolvulus* and *Ipomœa*.

MOURNING BRIDE. See *Scabiosa*. Pkt.

MUSA ensete (Abyssinian Banana) (tP)....

100 seeds, \$1.50..**70500** 25

An elegant, ornamental-leaved plant for groups or singly in the summer garden; grows very fast in rich and moist soil; 10 ft.

MUSK PLANT. See *Mimulus moschatus*.

MYOSOTIS. See Forget-me-not.



MIGNONETTE, MACHET

NASTURTIIUM

We do not sell less than one ounce of any one kind by weight

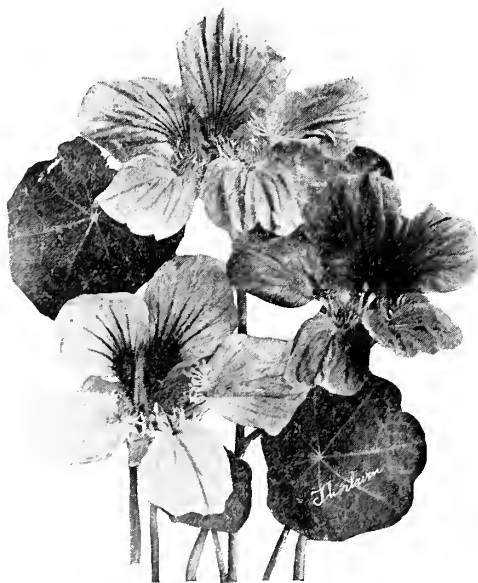
A marvelous range of new colors has been developed in this favorite flower which, for three or four months of the season, makes a better display than almost any other plant. No other hardy annual will produce such a lavish profusion of flowers for so long a time with the same small outlay of time and labor. The maximum of bloom is produced on thin soils, and never flags through the hottest weather. In soils too rich leaves predominate, and the plants are apt to rot off in wet weather, especially if standing too close.

For the celebrated Lobb's Climbing Varieties, see next page

DWARF or TOM THUMB (*Tropaeolum nanum*)

These have a neat, compact habit and attractive foliage; they bloom in two months from sowing, and most profusely the whole season; 1 ft.

Anna Groot. (Spencer.) Purple-scarlet flowers on long stems; dark foliage.....	70570	\$0	15
atrococcineum. Brilliant scarlet; fine.	70580	\$0	20
Aurora (Terra-cotta). Fine.....	70590	20	5
Beauty. Yellow and scarlet.....	70600	20	5
Bronze-color. Distinct.....	70610	20	5
Chameleon. Mottled crimson, bronze and yellow; very fine.....	70620	20	5
coeruleo-roseum. Bluish rose..	70630	20	5
Crystal Palace Gem. Yellow and carmine.....	70640	20	5
Empress of India. Deep crimson; fine dark foliage.....	70650	20	5
Golden Cloth. Golden yellow leaves; scarlet flowers.....	70660	20	5
Golden King. Golden yellow..	70670	20	5
King of Tom Thumbs. Scarlet; fine color.....	70680	20	5
King Theodore. Black, velvety; darkest of all.....	70690	20	5
Lady Bird. (Spencer.) Golden yellow, spotted red-brown; foliage light green.....	70700	15	5
Miss Mina Groot. (Spencer.) Deep scarlet flowers; light green foliage; pretty.....	70710	15	5
Prince Henry. Light yellow, marbled scarlet.....	70720	20	5



NASTURTIIUM (*Tropaeolum majus*)

DWARF or TOM THUMB, continued

	Oz.	Pkt.
Queen of Tom Thumbs, Chameleon. Variegated leaves, developing bright yellow, later on changing into different shades, producing a magnificent display of colors..	70730	\$0 30 \$0 10
Golden Yellow. Variegated leaves.	70740	30 10
Orange-Scarlet. Variegated leaves.	70750	25 5
Mixed. Splendid range of colors of variegated-leaved sorts.....	70760	25 5
Riemke Groot. (Spencer.) Odd, wavy dark green foliage; bright scarlet flowers.....	70770	15
Ruby King. Ruby-red; large flowers; dark-leaved; fine and very profuse..	70780	20 5
Vesuvius. Salmon-rose; extra-large flowers in profusion; fine.....	70790	20 5
White, or Pearl (Moonlight)....	70800	20 5
Yellow. Very fine.....	70810	20 5
Mixed, Golden Leaved Sorts.	70820	20 5
Spotted Varieties. Spotted, blotched and marbled sorts.	70830	20 5
All Sorts.		
¼lb. 25c., ½lb. 40c., lb. 75c.	70840	15 5
Collections, including—		
12 varieties Tom Thumb Nasturtium..	70870	40
8 varieties Tom Thumb Nasturtium..	70880	30

TALL or CLIMBING (*Tropaeolum majus*)

Besides their ordinary garden use for trailing over fences, trellises, stone walls, etc., these can also be grown as pot-plants for winter flowering, as screens, or as trailers for hanging-baskets and vases; 8 to 12 ft.

	Oz.	Pkt.
Chameleon. Various colors...	70910	\$0 15 \$0 05
Dark Crimson.	70920	15 5
Golden-leaved.	70930	15 5
Edward Otto. Brownish lilac...	70940	15 5
Fashion. Light crimson-rose, veined old-rose.....	70950	20 5
Golden-leaved Scarlet.	70960	15 5
hemisphaericum. Orange.....	70970	15 5
Jupiter. Giant-flowered; beautiful golden yellow.....	70980	15 5
King Theodore. Black.....	70990	15 5
Moltke. Bluish rose.....	71000	15 5
Pearl (Moonlight). Whitish....	71010	15 5
Scarlet.	71020	15 5
Scheuerianum, Spotted.	71030	15 5
coccineum. Scarlet-striped.....	71040	15 5
Schillingi. Yellow, maroon-blotched.	71050	15 5
Schulzi. Darkest-leaved scarlet.	71060	15 5

TALL or CLIMBING NASTURTIUM, continued

Sunlight (Dunnett's Orange). Rich golden yellow; flowers nearly 3 inches across..... **71070** \$0 15 \$0 05 Pkt.

Vesuvius. Large flowers; salmon; dark-leaved..... **71080** 15 5

Yellow (luteum)..... **71090** 15 5

Variegated-leaved, Mixed. Beautifully variegated foliage; distinct and charming..... **71110** 20 5

Fine Mixed..... **71120** 10 5
 $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 35c., lb. 60c.

Collections, including—

12 varieties Tall or Climbing Nasturtium..... **71130** 40

8 varieties Tall or Climbing Nasturtium..... **71140** 30

LOBB'S CLIMBING (*Tropaeolum Lobbianum*)

This class is remarkable for the intensely brilliant colors of its flowers, which are a trifle smaller than those of other sorts. In moderately rich soil they climb high and bloom brilliantly. Average height, 6 ft.

Asa Gray. Yellowish white, handsome flowers..... **71160** \$0 15 \$0 05 Oz. Pkt.

atropurpureum. Dark purple; dark-leaved..... **71170** 15 5

Chaixianum. Yellow, spotted red... **71180** 15 5

Crown Prince of Prussia. Blood-red. **71190** 15 5

Crystal Palace. Scarlet; large flowers; fine foliage..... **71200** 15 5

Firefly. Dark orange-yellow, spotted bright scarlet; dark-leaved.... **71210** 15 5

fulgens (Brilliant). Bright scarlet; dark-leaved..... **71220** 15 5

Geant des Batailles. Sulphur and red..... **71230** 15 5

Golden Queen. Fine yellow; contrasts effectively with foliage..... **71240** 15 5

Ivy-leaved Scarlet. Dark leaves, like ivy; deep scarlet flowers..... **71250** 40 10

Ivy-leaved, Mixed..... **71260** 40 10

LOBB'S CLIMBING NASTURTIUM, continued

Lilliput, Baby Rose. White and soft pink. A splendid variety. **71270** \$0 35 \$0 10 Oz. Pkt.

Lilliput, Snow Queen. Cream-white, very delicate tint.... **71290** 35 10

Lily Schmidt (Victoria). Scarlet.. **71280** 15 5

Lucifer. Dark scarlet; dark leaves. **71300** 15 5

Spitfire. Brilliant scarlet. Very fine. **71310** 15 5

Queen Wilhelmina. Queen of the Lobb varieties. The foliage is veined and marbled white, setting off the rich rosy scarlet flowers to great advantage. One of the most effective of the list..... **71320** 25 5

Madame Gunther Hybrids. A French strain noted for wide range of colors..... **71330** 20 5

fimbriatum, Mixed. Fringed sorts, mixed..... **71340** 20 5

Finest Mixture..... **71350** 10 5
 $\frac{1}{4}$ lb. 25c., $\frac{1}{2}$ lb. 40c., lb. 75c.

Collections, including—

12 varieties *Tropaeolum Lobbianum*. **71380** 45

6 varieties *Tropaeolum Lobbianum*. **71390** 30

NÆGELIA hybrida (†gP)..... **71440** 25

Ornamental greenhouse plants; beautifully marked foliage. Many varieties, mixed; 1 ft.

NEMESIA. Very pretty and neat-flowering hardy annuals for edgings; attractive, bright-colored flowers; 1 ft. Pkt.

compacta alba. White; attractive, fresh green foliage..... **71460** 10

“ **cœrulea**. Blue flowers borne in the greatest profusion... **71470** 10

strumosa Suttonii grandiflora. Many rich and rare colors; flowers large; foliage beautiful..... **71480** 25



NEMOPHILA INSIGNIS (see page 100)



NEMESIA STRUMOSA SUTTONII GRANDIFLORA

NEMOPHILA. Very pretty, dwarf-growing, hardy annuals of easy culture; continuous bloomers; cup-shaped flowers of brightest colors. Good in pots, edgings rockeries or beds; moist soil and partial shade is favorable for them; 1 ft.

atomaria. White and purple.....	71500	Pkt. 5
crambeoides. Pale blue.....	71510	5
discoidalis. Black-brown, white-margined.	71520	5
insignis. Sky-blue.....	71530	5
“ alba. White.....	71540	5
“ marginata. Blue, mottled white.	71550	5
maculata. Lilac-white, brown-spotted.	71560	5
Mixedoz. 30c...	71580	5
Collection, including 6 varieties Nemophila.	71590	25

NERIUM Oleander (Oleander) (gS) .. 71610 10
Ornamental evergreen shrub; red flowers; 10 ft.

NERTERA depressa (gP)..... 71630 10
A charming creeping plant, bearing coral-red berries; fine for growing in pots or pans; needs plenty of water.

NICOTIANA. Species of Tobacco. Showy and free-blooming half-hardy annuals, great garden favorites; in flower all summer; tubular-shaped flowers; 3 ft. Pkt.

affinis. White; very fragrant.....	71650	5
“ hybrida. Beautiful shades, mixed..	71660	10

colossea. Very ornamental; quick growth; 6 ft..... 71670 25

Sanderæ Hybrids. Many brilliant colors .. 71680 10

sylvestris. Large clusters of white flowers, sweet-scented; 4 ft..... 71690 10

NIEREMBERGIA. Pretty half-hardy perennials of slender growth that bloom freely the first year from seed; cup-shaped flowers. Fine for edgings or hanging-baskets; 1 ft. Pkt.

gracilis. Lilac and white..... 71710 10

frutescens. White, tinted with lilac.. 71720 10

NIGELLA. See Love-in-a-Mist.

NOLANA. When in flower these hardy annuals are very showy, and are fine for the garden border, of trailing habit; 1 ft. Pkt.

atriplicifolia. Blue..... 71750 5

grandiflora alba. White; large-flowered... 71760 5

paradoxa violacea. Violet..... 71770 5

Mixed..... 71780 5

NYCTERINIA. Pretty half-hardy annuals, forming dwarf, compact plants, excellent for beds and borders; 9 in. Pkt.

capensis. White; fragrant in evening. 71810 10

selaginoides. White, flushed lilac; graceful..... 71820 10

ÆNOTHERA. See Evening Primrose.

ORCHIDS, Mixed Varieties..... 71850 25
Hardy perennial sorts for the open ground; 1 to 2 ft. Pkt.

OROBUS lathyroides..... 71870 10

This hardy perennial deserves a place in every garden; has elegant, blue, pea-shaped blossoms; 1½ ft.

OXALIS. Charming little hardy annuals, very desirable for garden borders and bedding; 6 in. Pkt.

alba. White..... 71890 25

rosea. Pink..... 71900 25

Valdiviana (Veitchii). Yellow..... 71910 10

PÆONIA. Amongst hardy perennial plants none are more prized than the Peonies with their large and handsome blooms; 2 to 3 ft. Pkt.

officinalis. Red; single-flowered..... 71960 5

chinensis, Mixed. Fine double varieties.. 71970 10

arborea (Tree Peony). Many varieties. 71980 10

PALAFOXIA Hookeriana..... 72000 10

Ornamental half-hardy annuals of easiest culture. Good “Everlasting” flowers, carmine-rose in color. They grow 2 feet in height.



PÆONIA CHINENSIS



NOLANA ATRIPLICIFOLIA

PANSY (*Viola tricolor*; *Heartsease*)

Our strains have never been excelled

The Pansy is a plant that we all delight to grow in plentiful supply for flowers all the year. For very early outdoor bedding, the seed is sown from August to October, in a coldframe, or in rich, moist garden beds, from which the plants can be transferred to a cold-frame, setting them 2 to 3 inches apart each way before severe winter weather begins. In spring, three-fourths of them can be lifted out for bedding and the rest left to bloom in the frame. For winter blooming in a frame set the plants about twice as far apart, and thin out half of them in the spring. Cover the blooming plants with sashes, adding a covering of matting or straw in very cold weather. In mild weather, remove the mats and tilt the sashes to admit light, heat and fresh air. In outdoor beds, raised a few inches above the ground, with a mulch of dry leaves and some brush to hold them in place, Pansies will often winter nicely and bloom until midsummer, when a relay of young, vigorous plants should be ready to replace them. Spring sowings should be made early so as to secure good flowers during the early rains. Seed sown in a cool, moist place in June and July, and well tended, will give good flowering plants for fall. If they come into bloom in the heat of the summer, the flowers may be small at first, but, as the weather becomes cooler, they will increase in size and beauty, and make a glorious show in the garden. Through summer heat the flowers are finer in a somewhat shaded place, but in almost any situation good Pansy seed will give fine flowers in spring and fall. Early fall sowings give the finest flowers in spring, and a bed of Pansies is one of the most beautiful sights a garden can show. *The higher-priced sorts produce the largest flowers and the most brilliant colors. This should be borne in mind when ordering.*



We do not sell less than ¼ ounce of a kind by weight

	Pro- 1/4oz.	Oz.	Pkt.
Thorburn Superb. The richest and most choicely varied mixture possible. It produces only the finest colors, largest flowers and most beautiful forms.	72030	\$1 50	\$5 00
Bugnot Superb Blotched. An exceedingly large, three-blotched strain, with upper petals finely lined; great diversity of finest colors.	72040	1 25	4 00
Cassier, Finest Mixed. Flowers of grand size, beautifully spotted.	72050	1 25	4 00
Masterpiece. Curled, wavy petals; splendid colors; distinct.	72060	50	1 75
Masterpiece. From the originator.	72070	1 75	6 00
Madame Perret. A splendid giant-flowered strain, comprising all shades of red from light rose to dark purple, some of them finely striped.	72080	35	1 25
Odier, Cassier and Bugnot, Mixed. An extremely rich, large-flowered mixture.	72090	1 25	4 00
Giant Orchid-flowered, Mixed. A splendid, distinct race showing remarkable combinations of colors, including shades of chamois, terra-cotta, orange, etc.	72100	60	2 00
Non Plus Ultra. A very rich mixture largely made up of Cassier and Trimardeau varieties.	72110	1 25	4 00
Parisienne, Mixed. Handsome, large-flowering strain.	72120	60	2 00
Fine Large English. All colors mixed.	72130	45	1 50
Mixed. Ordinary strain.	72140	20	75
Azure-Blue. Very fine color.	72160	35	1 25
Black-Blue. Dark velvety.	72170	35	1 25
Black (Faust; King of the Blacks). Almost coal-black.	72180	35	1 25
Bronze. Golden bronze.	72190	45	1 50
Cardinal. Brilliant red; very fine.	72200	85	3 00
Coquette de Poissy. Distinct mauve, shading to white on the petals.	72210	35	1 25
Dark Purple.	72220	35	1 25
" " Silver-edged. Margins pure white.	72230	45	1 50
Emperor William. Splendid; ultramarine-blue; very showy.	72240	35	1 25
Fairy Queen. Light blue, with white border.	72250	35	1 25
Fawn-color (Prince Bismarck). Quaint and pretty.	72260	35	1 25
Fire King. Golden yellow, upper petals purple.	72270	35	1 25
Gold-margined. Splendid bright color.	72280	45	1 50
Golden Queen. Pure yellow.	72290	45	1 50
Light Blue. Lovely sky-blue.	72300	45	1 50
Lord Beaconsfield. Deep purple-violet, shading to light blue.	72310	35	1 25
Meteor. Bright yellow and brown, attractively blotched and margined.	72320	35	1 25
Odier, Five-blotched, Improved. Extra-choice strain.	72330	1 00	3 50
Orange. Very fine.	72340	60	2 00
Peacock. Large, peacock-blue flowers, edged with white.	72350	35	1 25

PANSY, continued

	1/4oz.	Oz.	Pkt.
President Carnot. Pure white petals, each with a deep blotch	72360	\$0 75	\$0 25
Rainbow, or Pheasant's Eye (Quadricolor). Very fine strain	72370	45	1 50
Red Riding Hood. Brilliant shades of red	72380	35	1 25
Snow Queen (Candidissima). Pure satiny white	72390	45	1 50
Tiger. Curiously striped and mottled	72400	45	1 50
White, with Black Center. Very showy	72410	35	1 25
Yellow, with Black Center. Splendid	72420	45	1 50
Yellow, Maroon Eye. Large flowers of distinct coloring	72430	45	1 50
Tufted Pansies. A splendid strain; small, but very fragrant flowers	72440	45	1 50

TRIMARDEAU GIANT. This strain has remarkably large flowers, carried well above their leaves, and generally marked with large blotches; plants are extra vigorous and compact.

	1/4oz.	Oz.	Pkt.
Giant Adonis. Light blue; splendid	72480	\$0 75	\$0 25
“ auriculæflora. Beautiful shades	72490	45	1 50
“ Azure-Blue (Light Blue). Pure color	72500	60	2 00
“ Bridesmaid. Most beautiful rosy white ground, with dark center blotches	72510	75	2 50
“ Fire King. Very showy	72520	45	1 50
“ Hortensia, Red. Splendid	72530	60	2 00
“ Indigo-Blue. Very rich color	72540	75	2 50
“ Lord Beaconsfield. Lavender and purple	72550	60	2 00
“ Prince Henry. Darkest blue; splendid	72560	75	2 50
“ Ruby King. Richest shades of red, scarlet, orange-scarlet and wine-red	72570	60	2 00
“ Striped.	72580	60	2 00
“ White.	72590	45	1 50
“ White, with Dark Eye.	72600	60	2 00
“ Yellow. Dark center	72610	45	1 50
“ Pure Yellow (Golden Crest)	72620	45	1 50
“ Mixed.	72660	35	1 25

Choice Collections of Giant Pansies, or Heartsease—

24 varieties	72680	\$1 50	8 varieties	72710	\$0 50
18 varieties	72690	1 25	6 varieties	72720	40
12 varieties	72700	65	10 varieties, <i>Pictorial packets</i>	72730	65

PARIS DAISY. See *Chrysanthemum frutescens*.

†**PASSIFLORA** (Passion Flower). Interesting and well-known family of climbers, bearing singular and very beautiful flowers; valuable both for conservatory, and garden in summer; 15 to 25 ft. Pkt.

cœrulea (hhP). Blue	72780	10
edulis (hhP). Blue and white	72790	10
gracilis (hhA). White; 10 ft.	72800	10
incarnata (hhP). Pink	72810	10

PEAS (Sweet Peas). See page 69.

PELARGONIUM (gP). Beautiful and well-known plants for greenhouse and house culture. Popularly called “Lady Washington Geraniums;” 2 ft.

Show Varieties, Large-flowered, Mixed. Pkt.	
	72840 50
Odier (Blotched), Superb Mixed. ..	72850 50

PENTSTEMON. Beautiful herbaceous perennials; very hardy and free-flowering; fine for beds and borders or rock-gardens; excellent cut-flowers.

antirrhinoides. Lemon-yellow; 1 1/2 ft.	Pkt.
	72870 25
centranthifolius. Bright scarlet; 2 ft.	
	72880 25
Cobæa. Large white flowers, shaded with purple; 1 ft.	
	72890 10
digitalis. White; 1 1/2 ft.	
	72900 10
† Hartwegii grandiflorus, Mixed. Large-flowered varieties; most brilliant colors; 2 1/2 ft.	
	72910 10
Murrayanus grandiflorus. Scarlet shades; 3 ft.	
	72920 10
Mixed Large-flowered Varieties. 3 ft.	
	72930 10

***PERILLA.** An ornamental-leaved, half-hardy annual; for ribbon-gardening and beds; resembles the coleus; 1 1/2 to 2 ft.

* nankinensis. Dark bronzy purple foliage. Pkt.	
	72950 5
* “ laciniatis. Foliage extra-dark purple; beautiful ..	72960 5

PETUNIA HYBRIDA (hhA). Once fairly

started Petunias grow almost as easily as weeds and furnish a glorious succession of bloom from early summer until frost. The large-flowered strains are very beautiful and of almost endless variety. Seed of the Double and Giant-flowered Petunias is made expensive by the great amount of labor involved in hand-fertilization, and it is well to handle seed and tiny seedlings with some care. Sow in hotbed, coldframe or in boxes of fine soil in the sunny windows of a warm room in April or May, and transplant about 1 foot apart in garden beds. Seed of the double varieties has not so much vitality as that of single sorts and needs a little more care in watering to be sure of germination. We have no better plants than the Petunias for beds and masses, borders, window-boxes, baskets and vases. They will grow in almost any soil and bloom profusely through long droughts. The newer varieties are of brilliant colors. The highest-priced sorts produce the finest and handsomest flowers, and those we offer are from the most carefully selected strains, saved at great expense. Apparently similar sorts offered at lower prices are not to be compared with those we offer. Average height, 1 1/2 ft.

SINGLE LARGE-FLOWERED. These have flowers 4 or more inches across. Our strains are superb, and the collections offered contain only the finest varieties.

Crimson Giant. Great flowers of deep-est crimson Pkt. || | 72990 25 |

Purple King. Royal in color and size. || | 73000 25 |

Rose. A charming shade || | 73010 25 |

superbissima. Choicest Mixed. Grand flowers of various colors with richly tigered throats; exceedingly free-flowering .. || | 73020 50 |

“ **Mixed.** Large, yellow-throated varieties; they make a brilliant show in the garden. || | 73030 25 |

White. Clear paper-white flowers of unusual size || | 73350 25 |

Superb Single Mixed. Offers a grand variety of colors || | 73360 30 |

PETUNIA HYBRIDA, continued**FRINGED, LARGE-FLOWERING.** These have Pkt.
deeply cut and fluted margins.**Crimson.** A very rich color..... **73390** 25**Ruffled Giants.** Extra-large flowers,
beautifully ruffled, fluted and fringed. **73400** 50**Thorburn's Century Prize.** An unrivaled strain of fringed, ruffled, giant-flowered sorts in most beautiful colors. Very valuable..... **73410** 50**Thorburn's Superb Giant.** A strain of surpassing beauty, with extremely large, deep-throated flowers, some exquisitely penciled and elegantly fringed **73420** 50**White, "Snow Storm."** Finest white. **73430** 25**Perfection Mixed.** Choicest fringed sorts..... **73440** 25**DOUBLE LARGE-FLOWERING.** Our seed will produce flowers large, fragrant, elegantly formed and beautiful either for house, garden or conservatory. Only a small proportion of the double strains bear double flowers. The reason of this is the fact that the seed must be selected from single flowers, the double ones not producing seed. The single flowers must be pollinated with pollen from the double ones. Cuttings may be made from double-flowered plants and inserted in light, sandy loam for rooting, thus increasing the percentage of double-flowering plants. Pkt.**Double Large-flowering, Mixed.** **73470** 50**" Fringed Crimson.** Gorgeous colors; extra-large flowers..... **73480** 75**" Fringed Heliotrope.** Mauve and heliotrope colorings. **73490** 75**" Fringed Lady of the Lake.** Exquisite flowers of finest size and purest white..... **73500** 75**" Fringed Perfection, Mixed.** Flowers large and much be-ruffled..... **73510** 75**SINGLE BEDDING VARIETIES.** Smaller-flowered sorts, found most valuable for beds and masses; 1 ft.**Countess of Ellesmere.** Dark rose, with fine white throat..... **73540** 10**Howard's Star.** Rich crimson; distinct white star in center; very showy. **73550** 10**Rosy Morn.** Bright rosy pink, with white throat; very charming, compact, and free-flowering; for bedding... **73560** 15**venosa.** Various colored, beautifully veined..... **73570** 10**White.** Pure white; compact grower... **73580** 10**Inimitable, Mixed.** Striped and spotted. **73590** 10**Mixed Single.** Fine colors. $\frac{1}{4}$ oz. 25c., oz. 85c... **73600** 10**Collections of Petunias.** These contain only fine varieties, including— Pkt.12 vars. Single Large-flowering... **73620** \$1 256 vars. Single Large-flowering... **73630** 756 vars. Double Fringed..... **73640** 8012 vars. Double Large-flowering... **73650** 1 506 vars. Double Large-flowering... **73660** 80**†PHASEOLUS multiflorus Papilio** (Butter-fly Runner Bean)..... **73740** 10

This pretty, half-hardy annual climber is a variety of the well-known Scarlet Runner Bean. Flowers rose and white; pods edible; 10 ft.

PHLOX DRUMMONDII (FLAME FLOWER).

The hardy annual Phloxes are dazzling in effect, particularly so when sown in masses or ribbon beds of contrasting colors. Few flowers are so easy to grow from seed, so pretty and compact in habit, so quick to bloom, or give such a brilliant display of color for so little cost and care. There are few desirable colors beyond their range, and if given good soil and plenty of water, they furnish a long supply of delicate flowers. For pot culture, as trailers, and as an undergrowth for tall, bare-stemmed plants, they are also valuable. The first sowings should be made as soon as the frost is out of the ground in spring, later ones in May, either where the plants are to bloom, or in a seed-bed, as the Phlox transplants readily. In transplanting set the taller kinds about a foot apart; if planted too thickly, they suffer from mildew. Cutting away the flowers and seed-pods makes the plants more bushy and compact, and lengthens their blooming time. Average height, 1 ft.

GRANDIFLORA. This section has beautiful, round-petaled flowers, larger than in the older sorts; showy and constant, blooming in the greatest profusion from early summer to frost. Our strain is far superior to that ordinarily sold. Pkt.**alba.** Pure white flowers borne in profusion all summer..... **73770** 10**" oculata.** White with violet eye.... **73780** 10**atropurpurea.** Dark purple..... **73790** 10**Chamois-Rose.** A soft shade..... **73800** 10**coccinea.** Large; brilliant scarlet, very free-flowering..... **73810** 10**Crimson.** Bright color..... **73820** 10**Isabellina.** Yellow..... **73830** 10**kermesina splendens.** Vivid crimson; extra-large flowers..... **73840** 10**rosea.** Rose..... **73850** 10**stellata splendens.** Star-like; crimson.. **73860** 10**Mixed.** Splendid large-flowering sorts... $\frac{1}{4}$ oz. 25c., oz. 75c... **73870** 5

PETUNIA, THORBURN'S CENTURY PRIZE

PHACELIA. Showy, hardy annuals of easy culture, doing best in a sunny situation; bell-shaped flowers; excellent for bees.**campanularia.** Rich deep blue; 9 in..... Pkt.
73690 5**congesta.** Light blue; 1 $\frac{1}{2}$ ft..... **73700** 5**Parryi.** Dark violet-blue; 1 ft..... **73710** 5**tanacetifolia.** Reddish violet, fine for bees; 2 ft..... **73720** 5

PHLOX DRUMMONDII, continued

SMALL-FLOWERED VARIETIES—

	Pkt.
Heynholdi. Scarlet; fine for pots..73890	15
hortensiaeflora, Mixed. Semi-dwarf; very floriferous.....73900	10
Radowitzii. Rose, spotted white..73910	10
Graf Gero, Mixed. Fine for pots..73920	15

DWARF VARIETIES. Plants of this charming section grow only 6 to 8 inches high, and form dense masses of bloom all summer. They are especially useful for beds, edgings, pots, etc.

	Pkt.
Chamois-Rose. Very fine.....73950	15
Fireball. Flame-red; fine for pots and for edging.....73960	15
Snowball. Pure white; fine for pots..73980	15
Surprise. Brilliant vermilion, with white star center; for edging.....73990	15
grandiflora nana compacta (Cecily Phlox). Mixed.....74010	10
nana compacta hortensiaeflora, Mixed.	74020
Fancy Mixed74030	15

STAR PHLOX—

cuspidata (Star of Quedlinburg). Star-shaped; many colors.....74050	10
Collection of Phlox Drummondii , including 12 varieties.....74070	60

PERENNIAL PHLOX. These hardy sorts make bushes about 3 feet high and bear large heads of finely colored flowers.

decussata, Mixed74090	10
Large-flowered Hybrids, Mixed. 74110	15

PHORMIUM tenax (New Zealand Flax).... Pkt. 74140 5

Ornamental, half-hardy perennial, with long, sword-shaped leaves and orange flowers; adapted to conservatory or lawn decoration; 6 ft.

PHYGELIUS capensis.....74160 25

A showy greenhouse perennial with brilliant scarlet flowers; related to the pentstemon but distinct in general effect; 3 to 4 ft.

†**PHYSALIS Francheti** (Chinese Lantern Pkt. Plant).....74180 10

A splendid hardy perennial, very ornamental; has large orange fruits which, dried, are beautiful in winter bouquets; 2 ft.

PHYSOSTEGIA grandiflora virginica alba Pkt. (Obedient Plant).....74200 25

A valuable summer-flowering, hardy perennial border plant; delicate white flowers on long stems; good for cutting; 3 ft.



PHLOX DRUMMONDII, ASSORTED

PICOTEE (Picotee Pink). These beautiful greenhouse varieties have richly colored edged flowers and are finely perfumed; very attractive; 1½ ft. Pkt.

White Ground. Colored edges.....74230 50

Yellow Ground. Very desirable....74240 50

Extra Fine, Mixed. Show varieties..74250 50

See, also, Carnation and Pinks.

PINKS (DIANTHUS). In this large and greatly varied genus are some of our most beautiful and best-loved flowers, unsurpassed for color and fragrance. They are hardy biennials that bloom finely the first season, remaining green all winter and blooming the next year also, if lightly protected. Old plants flower the earliest, but as young ones give the largest, finest flowers, sowings are made every year. Seed can be sown under glass in the spring, or in an open, sheltered bed. The seedlings are easily transplanted and should stand 8 to 12 inches apart; dwarf ones about 6 inches. If especially large, brilliant flowers are desired a bed of well-mixed turfy loam, leaf-mold and well-decayed manure should be prepared for them. Average height, 1 ft.

CHINENSIS (China or Indian Pinks). The flowers of all are double and showy. Pkt.

Double White China Pink.....74280 5

“ **Mixed China Pink.** All best colors. ¼ oz. 25c., oz. 75c.74290 5

“ **Very Dwarf, Mixed** (Narcisse). 74300 10

HEDDEWIGII (Japan Pinks). Unusually large and brilliant; often oddly edged, striped and ringed.

Single, The Bride (Little Gem). White, Pkt. with purple center.....74320 10

“ **Crimson Belle.** Flowers large and handsome; dark red; on long, stiff stems.....74330 10

“ **Eastern Queen.** Rose-colored flowers, 2 to 4 in. across; finely striped and stained.....74340 10



PHYSOSTEGIA GRANDIFLORA VIRGINICA ALBA



DIANTHUS PLUMARIUS

PINKS, HEDDEWIGII,
continued**Single, Queen of Pkt.****Holland.** Splendid; white... **74350** 10**Single, Mixed**..... $\frac{1}{4}$ oz. 25c.,oz. 75 cts. **74360** 5**Single, Mixed,****Giant-flow-****ered.**... **74370** 10**Single, Mixed,****nobilis** (Royal

Pink). Large, frilled

and fringed flowers

of a glowing blood-

red, shading to car-

mine and pink and

even white; vigorous

and tall-growing;

abundant, contin-

uous bloomer; fine

flower for cutting... **74380** 15**Double, Mixed.** A

splendid assortment.

 $\frac{1}{4}$ oz. 40c., oz. \$1... **74385** 10**Double diadematus fl. pl.** (Diadem

Pink). Double; magnificent

in color and variety... **74390** 10" **Fireball.** Brilliant scarlet; very

compact and floriferous; fine

for massing... **74400** 10" **Mourning Pink.** Very large,

double flowers of blackish

crimson, fringed white; very

effective, and a handsome

cut-flower... **74410** 10**laciniatus, mirabilis, Single, Mixed.**

quite distinct, narrow foli-

age; on long stems; fine

for cutting... **74430** 10" **Oriental Beauty.** Petals

wide, crinkled, richly

marked with pink, white,

etc... **74440** 10" **punctatus.** Dark-shaded

Princess Pink. Quite pecu-

liar colors, such as purplish

violet, blood-red, dark sal-

mon, etc... **74450** 15" **Salmon Queen.** Beautiful

rosy salmon; handsome

single flowers... **74460** 10" **Snowball.** Large; double;white... **74470** 10" **Snowflake.** Pure white; fine;single... **74480** 10" **Single, Mixed.** Fringedflowers of all colors... **74500** 10 $\frac{1}{4}$ oz. 25c., oz. 75c... **74500** 10**Double, Mixed**..... $\frac{1}{4}$ oz. 50c... **74510** 10**IMPERIALIS, FL. PL.** (Double Imperial

Pink). Robust, bushy grower, with large, double

flowers. **74530** 10**Double, Mixed.**..... **74530** 10" **Dark Red.** A deep, rich color..**74550** 10" **Dwarf White.** Great snowy

flowers; grows 9 inches high.

74570 15**PINKS, continued****PLUMARIUS** (Sweet May Pinks). These are fine, fragrant, hardy perennials of the old-time gardens, still reckoned among the most beautiful for massing and cutting. **74600** 5**Pheasant's Eye.** Pretty fringed flowers.**74600** 5**scoticus** (Double Scotch Pink). A seriesof exquisite colors; *ours is the finest**strain*..... **74620** 50**semperflorens** (Perpetual Pink). Double,

semi-double and single; of various

colors..... **74630** 15**Single Pinks, Mixed**..... $\frac{1}{4}$ oz. 20c., oz. 60c... **74650** 10**Double Dwarf, Mixed.** Extra fine.....**74670** 10" **and Semi-Double Grass Pinks.**

Pretty flowers of delicate

colors..... **74680** 15" **Mixed.** Extra fine..... **74690** 15**Hybrid Dianthus.** A cross between

Sweet William and China Pink. Very

hardy; beautifully colored and marked;

very fragrant..... **74710** 10**Collections of Pinks, including—**12 varieties Fine China..... **74730** 508 varieties Fine China..... **74740** 406 varieties Fine China..... **74750** 30**PITTOSPORUM undulatum**..... **74780** 10

Handsome greenhouse shrub, with glossy foliage and

pretty, fragrant white flowers; 3 ft. **74840** 10**PLATYCODON** (Large Chinese Bellflower). Hand-

some hardy perennials that do best in light, dry situ-

ations; bushy growth; bear large, bell-shaped flowers

in great profusion. **74800** 10**grandiflorum.** Deep blue; 2 ft..... **74800** 10" **album.** White; 2 ft... **74810** 10**Mariesii.** Dark blue; dwarf, compacthabit; 1 ft..... **74820** 10

See also Campanula.

PLATYSTEMON californicus (Cream Cup).**74840** 10

A pretty hardy annual from California; forming a

dense tuft, studded thickly in summer with sulphur-

yellow blossoms; 1 ft.



PLATYCODON

PODOLEPIS. Curious and pretty half-hardy annuals, admirably adapted to positions that are fully exposed to the sun. Pkt.

- chrysantha.** Golden yellow; dwarf; 1 ft... 74860 5
affinis. Yellow; 1½ ft..... 74870 5
gracilis. Red and white; very free-flowering; 3 ft..... 74880 5

POLEMONIUM. See Jacob's Ladder.

†**POLYANTHUS** (*Primula elatior*). Fine spring-blooming and free-flowering, hardy perennials; alike suitable to pot or garden culture; 9 inches. Pkt.

- Mixed**..... 74900 10
Large-flowered, Finest Mixed. Fine collection..... 74910 25
Gold-laced. Very attractive and showy... 74920 25

POPPY (PAPAVER). Before tulips are fairly gone, our gardens begin to be gay with Poppies. Few flowers have the same grace of stem, airiness of poise and delicacy of tissue. For beds and borders with a background of green there is nothing finer; some sorts are admirable for naturalizing in open wooded grounds; others, like the Shirley, are beautiful for cutting. A sandy loam suits Poppies best, and, as their strong tap-roots are difficult to transplant, it is well to sow seed where the plants are to bloom. Sowings made in fall and at intervals in spring will provide a long succession of flowers. Sow thinly, covering very lightly, and thin the plants to stand about a foot apart. The best plants are those grown from early sowings while the soil is cool and moist.

PERENNIAL VARIETIES. Tall, large-flowered and showy; average height, 2 to 4 ft. Pkt.

- bracteatum.** Glowing scarlet; on long stems; 3 ft..... 74950 5
orientale. Enormous flowers of deep, flashing scarlet, with black spots in center; entirely hardy anywhere; fine for cutting; 3 ft. 74960 10
 “ **Brilliant.** Vivid scarlet; beautiful..... 74970 10
 “ **carnea.** Flesh-color; splendid..... 74980 15
 “ **Mauve.** Very delicate shade. 74990 15
 “ **Mixed Hybrids.** Finest shades..... 75010 10

POPPY, PERENNIAL VARIETIES, continued Pkt
nudicaule (Iceland Poppy). These dwarf, bright yellow Poppies form one of the chief attractions of the garden through several months. They are most beautiful when grown in masses from seed sown every year; 1 ft. 75030 10

- “ **aurantiacum coccineum.** Orange-red. All of this class have crimped petals and peculiar grace... 75040 10
 “ **album.** Pure white.... 75050 10
 “ **Mixed.**..... 75060 10

ANNUAL VARIETIES. This section includes fine double and single flowers of greatly varying sizes, self-colored and daintily edged. All are easily cultivated and greatly admired. Average height, 3 ft. Pkt.

- Thorburn Giant White.** White flowers of grand form and size, with silky petals; 3 to 4 ft..... 75090 5
Danebrog. Large; single; scarlet with white cross at base of petals.... 75100 5
English Scarlet Field Poppy..... oz. 25c... 75110 5
Flag of Truce. Pure white; large and showy flowers..... 75120 5
Maid of the Mist. Pure white, single; very large; deeply fringed; 3 to 4 ft.... 75130 5
Mephisto. Beautifully fringed; varies from red and black to rose and white... 75140 5
Miss Sherwood. Large; single; satiny white, with upper half of petals chamois-rose..... 75150 5
Shirley, Best Mixed. Indescribably bright, dainty and gauzy; a favorite for cutting. (See p. 107.)..... oz. 25c... 75160 5
 “ **Santa Rosa Hybrids.** Beautifully crimped petals; shades of blue, lavender, salmon, etc. 75170 10



ORIENTAL POPPY



ICELAND POPPY

POPPY, ANNUAL VARIETIES, continued

	Pkt.
glaucum (Tulip Poppy). Striking, tulip-shaped flowers of intensely brilliant scarlet; dwarf.....	75180 10
lævigatum . Scarlet, with white marks at petal bases; very showy.....	75190 5
pavonium (Peacock Poppy). Intense scarlet, with broad bands of purplish black.....	75200 10
Double, American Flag . White, bordered with scarlet, and exceedingly brilliant flowers.....	75220 5
“ Cardinal . The immense scarlet flowers last unusually well....	75230 5
“ Cardinal, Mixed	75240 5
“ Carnation-flowered Hybrid, White Swan . Pure white....	75250 5
“ Carnation-flowered, Mixed . Very double, fringed.....	75260 5
“ Mikado . Large, white flowers, attractively fringed with rose.....	75270 5
“ Pæony-flowered, Dwarf, Fireball . Deep scarlet; very large-flowering.....	75280 5
“ Pæony-flowered, Snowball . Pure white; very large-flowering.....	75290 5
“ Pæony-flowered, Dwarf, Mixed Hybrids . Hybrids of compact growth; splendid....	75300 5
“ Pæony-flowered, Mixed . Large, handsome flowers of many colors.....	75310 5
“ Ranunculus-flowered, Mixed . Flowers small, finely formed, double.....	75320 5
“ Scarlet	75325 5
“ White	75330 5
“ Mixed, All Sorts . oz. 25c.....	75340 5

Collections of Poppies, including—

12 vars. Double Carnation-flowered....	75360 40
12 vars. Double Pæony-flowered.....	75370 40
6 vars. Double Pæony-flowered.....	75380 25
6 vars. Ranunculus-flowered....	75390 25

PORTULACA.

This charming little hardy annual is unrivaled for brilliancy among plants of low growth, and, though it flourishes under almost all conditions, hot sun and a light, sandy soil suit it best. Nothing is prettier for beds, edgings, rockwork, etc. As an undergrowth for taller plants it is also valuable. Through the driest, hottest seasons it flourishes amazingly, carpeting the ground with a mat of succulent foliage that, in the forenoon, is hidden by gayest flowers. The seed does not germinate until hot weather, and should be sown late. This plant requires little care and can be transplanted in full flower. Average height, 6 inches.

SINGLE VARIETIES. Each strong plant will cover a space of about 2 feet in diameter.

	Pkt.
albiflora . Pure white.....	75420 5
aurea . Deep golden yellow.....	75430 5
Carnation-striped Rose	75440 5
rosea . Rich rose.....	75450 5
splendens . Crimson.....	75460 5
Thellussoni . Scarlet.....	75470 5
Thorburni . Beautiful bright yellow....	75480 5
Mixed ¼oz. 20c., oz. 50c.....	75490 5

PORTULACA, continued

DOUBLE VARIETIES. The flowers are so full and perfect as to resemble tiny roses. Toward the close of the season they will increase in size and beauty. As the full-double flowers do not produce seed, it must be saved from the semi-double flowers growing with the full-doubles. The product of that seed will produce many single flowers. As these bloom earlier, they can be pulled out like weeds. When the full-doubles appear cuttings can be made from them and the bed extended indefinitely with only full-double flowers. *Our strains must not be confused with the ordinary cheap seed usually sold.*

	Pkt.
Double Bright Red	75510 20
“ Golden, Red-striped	75520 20
“ Rose	75530 20
“ Rose-striped	75540 20
“ Salmon	75550 20
“ Scarlet	75560 20
“ Sulphur-Yellow	75570 20
“ White	75580 20
“ Yellow	75590 20
“ Mixed . Grown from cuttings; a splendid assortment of colors.....	75600 20

Collections of Portulacas, including—

8 varieties Single	75620 35
6 varieties Double	75630 60

POTENTILLA. Handsome and brilliant in flower are these desirable hardy perennials. Foliage ornamental; bloom all summer; of the easiest cultivation; 2 ft. Pkt.

atrosanguinea. Dark red; especially fine for bedding..... 75680 10 |

Mixed. Brilliant colors..... 75690 10 |

PRIMULA

CHINENSIS (Chinese Primrose) (gP). Primulas, or Chinese Primroses, stand in the first rank among greenhouse plants, and are fine for winter and spring blooming. They are free-flowering and are especially valuable for cut-flowers and for house and window culture. A cool place suits them best. Sow the seed in light soil, but for final potting a richer soil is necessary, and it should consist of two parts of loam to one each of well-decayed manure and leaf-mold. The plants must be well ventilated, well watered and slightly shaded. Average height, 9 in. Pkt.

fimbriata alba . White; fringed....	75720 25
“ alba magnifica . Pure white; fringed; extra choice....	75730 35
“ Bright Rose . Dainty fringed flowers	75740 25



SHIRLEY POPPIES (see page 106)

PRIMULA CHINENSIS, continued		Pkt.
<i>fimbriata coccinea</i> . Bright red; fringed.	75750	35
" <i>cœrulea</i> . Blue; fringed.	75760	25
" <i>kermesina splendens</i> . Crimson; fine shade; fringed.	75770	25
" <i>rubra</i> . Red; gracefully fringed flowers.	75780	25
" <i>Extra-fine Mixed</i> . Fringed.	75790	25
" <i>filicifolia</i> . All these are fringed and have fern-like foliage.		
<i>alba</i> . White.	75810	50
<i>rubra</i> . Red.	75820	50
<i>Mixed</i> .	75830	50
" <i>globosa</i> . Fringed; globe-shaped flowers.		
<i>rubra</i> . Red.	75840	25
<i>alba</i> . White.	75850	25
<i>Mixed</i> .	75860	25
" <i>plena</i> . Beautifully fringed, double flowers.		
<i>rubra</i> . Red.	75870	50
<i>alba</i> . White.	75880	50
<i>Mixed</i> .	75890	50
<i>stellata</i> , <i>Mixed</i> . Star Primulas. Very floriferous.	75910	50
Collections of Primula, including—		
12 vars. Chinese Fringed.	75940	1 50
8 vars. Chinese Fringed.	75950	1 00
6 vars. Chinese Fringed.	75960	75
6 vars. Chinese Fringed, D'ble.	75970	1 25
OBCONICA (gP). For open border, also do well in the house window-garden. Continuous and bloomers during the winter months.		
<i>grandiflora alba</i> . White.	76000	25
" <i>carminea</i> . Carmine.	76010	25
" <i>rosea</i> . Rose.	76020	25
" <i>hybrida</i> , <i>Mixed</i> .	76030	50
" <i>fimbriata alba</i> . White; fringed.	76040	50
" <i>fimbriata rosea</i> . Rose; fringed.	76050	50
" <i>fimbriata</i> , <i>Mixed</i> . Fringed.	76060	25
" <i>gigantea kermesina</i> . Carmine-red.	76080	25
" <i>gigantea</i> , <i>Crimson</i> .	76090	50
" <i>gigantea</i> , <i>Red</i> .	76100	50



PRIMULA OBCONICA

PRIMULA OBCONICA, continued		Pkt.
<i>grandiflora gigantea</i> , <i>Rose</i> .	76110	50
" <i>gigantea</i> , <i>Mixed</i> . Giant-flowering.	76120	50
<i>Forbesii</i> (Baby Primrose) (gP). Rosy lilac, very free-flowering and fragrant; fine for pots.	76130	25
<i>Kewensis</i> (gP). Large, bright yellow flowers; fragrant; strong grower.	76140	30
<i>malacoides</i> (gP). Dainty soft lilac-pink; fine for pot culture; 18 in.	76150	30
HARDY VARIETIES . The hardy Primroses are amongst the most prized of our spring-blooming plants. A slight protection, while not always needed, will be found beneficial; 1 to 1½ ft.		
<i>cashmeriana</i> (hP). Rosy lilac; early-flowering; fine.	76180	25
<i>cortusoides</i> (hP). Rose-pink; handsome sort.	76190	10
<i>farinosa</i> (Bird's-eye Primrose) (hP). Rose.	76200	25
<i>japonica</i> (Japanese Primrose) (hP). Purple; called the "Queen of Primroses;" 1½ to 2 ft.	76220	10
" <i>hybrida</i> , <i>Mixed</i> (hP). From a fine collection.	76230	25
<i>verticillata</i> (hP). Golden yellow; pyramidal habit.	76240	25
<i>vulgaris</i> (English Primrose). (hP). Yellow; fragrant; a favorite sort; 6 in.	76250	10
See, also, Auricula, Cowslip and Polyanthus.		
PRIMROSE (Evening Primrose). The <i>Oenothera</i> , or Evening Primrose, blooms all summer very freely; the bright, poppy-like flowers open early every evening and last well into the next day; of the easiest culture in sunny situations.		
<i>Oenothera acaulis alba</i> (hA). Silvery white flowers; 6 in.	76290	10
" <i>bistorta Veitchiana</i> (hA). Dwarf; yellow; 1 ft.	76300	5
" <i>Drummondii</i> (hA). Light yellow; 1½ ft.	76310	5
" <i>Lamarckiana</i> (thB). Large yellow flowers; 3 ft.	76320	10
" <i>rosea (mexicana)</i> (hA). Bright rose; 6 in.	76330	10
" <i>tetraptera</i> (hA). White; 6 in.	76340	5
" <i>Mixed Annual Varieties</i> .	76370	5
PUERARIA Thunbergiana . See Kudzu Vine.		
PYRETHRUM . Showy, hardy perennials growing about 2 feet in height, with most brilliant and lasting flowers. The dwarf "Golden Feather" is the well-known variety used for carpet-bedding, edgings and borders.		
<i>atrosanguineum</i> . Red and dark red shades.	76390	10
<i>roseum hybridum</i> , <i>Single</i> , <i>Mixed</i> .	76400	10
" <i>hybridum</i> , <i>Double</i> , <i>Mixed</i> .	76410	25
" <i>hybridum</i> , <i>Double</i> and <i>Semi-double</i> , <i>Mixed</i> .	76420	10
" <i>hybridum grandiflorum</i> , <i>Single</i> , <i>Mixed</i> . Fine for cutting.	76430	25
<i>parthenifolium aureum</i> (Golden Feather). Yellow, fern-like leaves; fine for edgings; 6 to 8 in.	76460	5
" <i>aureum selaginoides</i> . Bright yellow leaves; very compact.	76470	10
" <i>aureum</i> , <i>Golden Gem</i> . Fine golden foliage; double-flowering.	76480	10
<i>Tchihatchewii</i> . White and yellow; for poor soils.	76490	10

REHMANNIA angulata.....76530 25 Pkt.
Splendid, half-hardy, herbaceous perennial, with beautiful, large, rosy purple flowers; similar to those of *Incarvillea Delavayi*. For pot-culture or outdoors in sheltered situations; 3 ft.

***RHEUM** (Ornamental Rhubarb). Ornamental, hardy perennial, foliage plants, valuable alike for planting as single specimens or in groups; 3 to 5 ft. Pkt.

Collinianum. Enormous leaves; fine.76550 5

palmatum tanguticum. Brown-red leaves; deeply cut.....76560 5

RHODANTHE. Beautiful, delicate-looking "Everlasting" flowers, much prized for winter bouquets. These half-hardy annuals are also valuable garden plants. Glaucescent gray foliage; 1½ ft. Pkt.

maculata. Rose with dark center...76570 10

" **alba**. Pure white.....76580 10

" **Mixed**.76590 10

Manglesii. Rose; very fine.....76600 10

RHODOCHITON volubile.....76620 25

An elegant greenhouse climber, with abundant purplish rose flowers; 10 ft. Pkt.

RHODODENDRON arboreum hybridum.

76640 25

The well-known hardy evergreen shrub. Mixed varieties; 10 ft.

RICINUS (CASTOR-OIL PLANT). Picturesquely showy and imposing, the *Ricinus* gives to the garden magnificent semi-tropical effects. Grown as a specimen, it makes a perfect pyramid of gigantic leaves; a dozen plants in a large bed show a glorious mound of glistening colors and may be admired from a long distance; planted thickly it soon forms a handsome screen or hedge; the lower-growing, dark-leaved sorts are beautiful for dotting here and there among cannas, scarlet pelargoniums, etc. Tall varieties grow from 8 to 10 feet high, with leaves several feet across and beautifully lobed. Half-hardy annuals. Pkt.

africanus. Bright colors; 8 ft.....76670 5

borboniensis arboreus. Green foliage; 15 ft.....76680 5

Cambodgensis. Glistening dark maroon; stems black; 5 ft.....76690 5

Gibsoni. Dark red; 5 ft.....76700 5

hybridus Panormitanus. Cross between *Cambodgensis* and *zanzibariensis*. Huge, dark brown leaves, blue-powdered stems; upright habit.....76710 10

macrocarpus. Deep purple; 5 ft...76720 5

macrophyllus. Dark purple; 6 ft...76730 5

philippinensis. Immense leaves; 6 ft.....76740 5

purpureus. Purple.....76750 5

sanguineus. Red stems and seeds; 6 ft...76760 5

zanzibariensis. Enormous leaves...76770 5

" **Finest Mixed**. 8 to 10 ft. oz. 35c...76780 5

Mixed. Fine sorts.....oz. 25c...76790 5

Collections of Ricinus, including—

12 vars. choicest sorts.....76810 45

6 vars. choicest sorts.....76820 25

†**RIVINA humilis**.....76850 10

An easily grown greenhouse plant, with ornamental scarlet berries; 2 ft.

ROCKET (Sweet Rocket; *Hesperis*). Spring-flowering, hardy herbaceous perennials; fragrant; easily grown in light soil; transplant frequently; very free-blooming. Pkt.

matronalis. Purple; 3 ft.....76880 5

" ¼oz. 20c., oz. 50c...76890 5

" **alba**. White; fine cut-flower; 3 ft.....76890 5

" **nana candidissima**. Pure white; very compact; early-flowering; 1 ft.....76900 10

ROMNEYA Coulteri (California Tree or

Matilija Poppy).....76930 25

This beautiful, half-hardy perennial Poppy should have a sheltered position in the garden. Fine, fragrant, white flowers; 4 ft.

ROSA polyantha nana multiflora (†hP). Pkt. 76960 10

Dwarf, compact bushes covered with small, single and double blossoms in various colors. These Roses flower the first season from seed; 2 ft.

ROSE CAMPION. See *Agrostemma coronaria*.

ROSE OF HEAVEN. See *Agrostemma Calirosa*.

ROSE OF SHARON. See *Hibiscus syriacus*.

RUDBECKIA (Coneflower). Attractive and compact-growing plants, most suitable for beds and borders or clumps amongst shrubs; showy, large, yellow flowers with dark central cones; easily grown. Pkt.

amplexicaulis (hA). Pure golden yellow; 2½ ft.....76990 5

bicolor superba (hA). Golden yellow; long stems; 2 ft.....77010 5

fulgida variabilis (hP). Various yellow shades; 2½ ft.....77020 10

Neumannii (hP). Vivid orange-yellow; 3 ft.....77030 10

***RUMEX hymenosepalus**.....77060 15

An ornamental hardy perennial from California, with long, gray-green leaves; also known as pie-plant there, as the leaf-stalks are used the same as rhubarb. Of economic value as well, as its roots produce tannin; of the easiest cultivation; fine, erect grower; 3 ft. Pkt.

†**SAINTPAULIA ionantha** (The Usambara Violet).....77090 25

A lovely greenhouse perennial, violet-like in appearance; large, deep blue flowers; 6 in.

SALPIGLOSSIS (PAINTED TONGUE). These showy, half-hardy annuals bear beautiful, funnel-shaped flowers having dark veins on a ground which varies from white to crimson, yellow, orange, etc., and intermediate shades. They are easily grown, require a light, rich, sandy loam and will respond to liberal treatment. Bloom from late summer until frost; 2 ft. Pkt.

azurea. Blue.....77130 10

grandiflora violacea aureo-venosa. Lilac, veined golden yellow; fine large flowers.....77150 10

" **Extra Choice, Mixed**. A fine assortment of colors...77160 10

" **superbissima, Yellow**. Cheerful flowers...77170 15

" **superbissima, Chamois**.....77180 15

" **superbissima, Light Blue**...77190 15



RUDBECKIA AMPLEXICAULIS

SALPIGLOSSIS, continued

grandiflora superbissima, Brown and Gold	77200	Pkt.
“ superbissima (Emperor), Mixed. Finest strain of very large flowers.....	77210	15
Tall Mixed ¼oz. 35c....	77230	10
Dwarf Mixed ¼oz. 35c....	77240	10
Collections of Salpiglossis, including—		
8 varieties Tall, Large-flowered.....	77250	60
6 varieties Large-flowered Superbissima .	77260	65
8 varieties Dwarf.....	77270	40

SALVIA (FLOWERING SAGE). The *Salvia splendens* is a standard bedding plant that keeps the garden bright with color until late in autumn. For pot culture, for cutting and for borders, etc., it is very valuable. In this climate, sow seed in window-boxes or frames in March or April, and set the plants outdoors the latter part of May; or sow outdoors not before June 1, and protect from heavy rains and strong winds. The plants grow and bloom profusely in any light, rich soil. Both the tender and hardy perennial sorts bloom the first year, and all are treated as annuals. Pkt.

argentea (hP). Silvery leaved; flowers white; blooms in spring; 3 ft.....	77300	5
azurea grandiflora (Meadow Sage) (hP). Sky-blue; blooms in late summer; fine; 2 to 3 ft.....	77310	20
farinacea (hA). Light blue flowers in great abundance; good for cutting; forms a neat bush; 3 ft.....	77320	10
patens. A handsome tender perennial, with erect spikes of rich blue flowers in summer; 2 ft.....	77330	25
Römeriana (hA). Crimson-flowered; very dwarf and of neat habit.....	77340	10

SPLENDENS (Scarlet Sage) (hhP). These are the well-known bedders, single plants of which carry many long, flaming flower-spikes open at one time, keeping up the display until frost. Pkt.

grandiflora, Scarlet. A rich-flowered bedder; long spikes; 3 ft.....	77360	10
Ball of Fire. Very dwarf and compact, ball-shaped variety, especially suitable for pot culture. The plants are about 2 feet high to the top of the flower-spikes and about the same in diameter. Color dull red; large spikes, similar to No. 77410.....	77390	25



SALPIGLOSSIS GRANDIFLORA SUPERBISSIMA

SALVIA, continued

Bonfire. Our well-known compact Salvia—the freest blooming of all, seemingly on fire all the time, with dense, flaming scarlet spikes; 2½ ft.....	77400	10
Early Dwarf Zurich. Grows only 12 to 15 inches high, with many fine, erect, slender spikes to each plant borne well above its handsome foliage. Color brilliant scarlet; splendid bedding variety; earliest of all.....	77410	25
Lord Fauntleroy. Only 18 inches high; very compact, with the brilliant scarlet flower-spikes standing clear above the foliage. Fine for bedding in masses or for borders around beds of taller plants; also fine for pots. Very early-flowering.	77420	25

Scarlet Dragon. A superb bedding plant for summer and autumn; flowers are nearly twice the size of the old Scarlet Sage; when full-grown the plants form bushes about 3 feet in height, and the same in diameter, and are a mass of bloom. The brilliant scarlet effect is gorgeous.....	77430	25
Silverspot. Rich green leaves elegantly spotted with yellow. The intense, bright scarlet flowers are large and lavishly borne; neat and compact; 2½ ft.	77440	25

SANTOLINA. Valuable for its distinct foliage and is used for large specimens in shrubberies or as a carpet-bedding plant. Pkt.

Chamæcyparissus (Lavender Cotton) (hP). Attractive, silvery gray foliage and yellow flowers; 1½ to 2 ft.....	77460	10
maritima (hhP). Silvery white leaves and yellow flowers; fine for edgings; dwarf; 1 ft.....	77470	10

SANVITALIA procumbens fl. pl...... 77490 10
Beautiful, dwarf-growing hardy annual for beds or borders; bright yellow, double flowers; blooms all summer; 6 in.

SAPONARIA. Pretty, dwarf bedding plants, especially adapted for edgings and borders; long and profuse bloomers; 1 ft. Pkt.

calabrica (hA). Red.....	77510	5
“ alba (hA). White.....	77520	5
“ Scarlet Queen (hA). Very brilliant.....	77530	5
ocymoides (hP). Rose-colored flowers; trailing; blooms early; fine for rockwork; 6 in.....	77540	10

SAXIFRAGA, Mixed Perennial Species. 77560 10

Interesting little plants, especially prized for all kinds of rockwork; also for hardy borders; 9 in.

SCABIOSA (MOURNING BRIDE; SCABIOUS, etc.). Well-established garden favorites. They grow about 2 feet high, and flower through the summer until frost. The flowers are borne on long stems and last a long time when cut. Fine for beds or borders. Sow seed outdoors in spring when danger from frost is past. Pkt.

caucasica (Blue Bonnet) (hP). Lilac; very valuable for cutting..... 77590 10

HARDY ANNUALS—

candidissima fl. pl. (Snowball). Double; white.....	77600	5
minor aurea fl. pl. Double; golden yellow.....	77610	5
Tall Black-Purple	77620	5
“ Flesh-Color	77630	5
“ Scarlet	77640	5

SCABIOSA, Hardy Annuals, continued Pkt.**atropurpurea maxima.** Very double, mixed... **77650** 15**Mixed Tall.** Large flowers of bright colors **77660** 5**Mixed Dwarf.** **77670** 5**Collections of Scabiosa, including—**

10 vars. Dwarf

Double ... **77680** 45

6 vars. Dwarf

Double ... **77690** 258 vars. Tall, Large-flowered ... **77700** 356 vars. Tall, Large-flowered ... **77710** 25**SCHIZANTHUS.**

Very beautiful and showy hardy annuals, fine for beds and borders in the summer garden; grown in pots in early spring in the greenhouse they become elegant foliage plants, with masses of flowers; 1½ to 2 ft. Pkt.

Grahamii. Light red **77740** 5**papilionaceus.** Purple, yellow and crimson **77750** 5**pinnatus.** Blue; floriferous **77760** 5**retusus.** Red; splendid **77770** 5" **albus.** White, inside yellow; very fine **77780** 5" **trimaculatus albus.** Blotched, white and golden yellow; large flower **77790** 25**Wisetonensis.** Light shades; long and profuse blooming; fine pot-plant **77810** 25" **Excelsior.** Much larger-flowered than above; only beautiful showy light colors in finest assortment, all dark shades eliminated. Makes a splendid pot-plant and is fine for the summer garden **77820** 30**Mixed** **77840** 5**Collection of Schizanthus, including 6 varieties** **77850** 30**SCHIZOPETALUM Walkeri** **77880** 10

A splendid hardy annual, with white, very fragrant, fringed flowers. Sow where intended to bloom; does not bear transplanting; 9 in.

SEDUM (Stonecrop). Showy and useful little plants for carpet-bedding, edgings, rockwork, stone walls, etc. Will do well in any soil and dry situations. Pkt.

acre (Golden Moss) (hP). Green foliage; yellow flowers; good for covering graves; 4 in. **77900** 10**cœruleum** (hA). Blue; 4 in. **77910** 10**Maximowiczii** (hP). Yellow flowers; erect growth; 1 ft. **77920** 10**Mixed** (hP). Many species; 9 in. **77930** 5**SENECIO.** See Jacobæa.**SENSITIVE PLANT.** See *Mimosa pudica*.

SILENE (Catchfly). Bright-colored and free-flowering hardy annuals, suitable for rockwork or garden beds and borders, blooming all summer; succeed finely in any light, loamy soil; 1 ft. Pkt.

Armeria. Red **77960** 5" **alba.** White **77970** 5**SILENE, continued****pendula.** Red **77980** 5" **Double Rose** **77990** 5" **ruberrima.** Carmine **78000** 5" **Bonnettii.** Dark purple; dark stems **78010** 5" **Mixed** **78020** 5**orientalis** (hP). Dark rose; branching habit; sweet-scented; 2 to 3 ft. **78030** 5**†SMILAX** (*Myrsiphyllum asparagoides*) **78050** 10

A well-known greenhouse climber, with small, dark green foliage; of great value in floral work; 8 ft.

SNAPDRAGON (ANTIRRHINUM). The

Snapdragon is one of our finest perennials, flowering the first year from seed. Its bright-colored, curiously formed flowers always excite interest. The rich spikes are beautiful for cutting, and keep fresh a long time. Flower profusely through summer until frost. For early flowers, sow under glass in February or March, and transplant into beds of warm, dry soil moderately enriched. The Snapdragon is treated as an annual and the seed sown every year. Average height, 2 ft.

TALL VARIETIES—**album.** White **78080** 5**atrococcineum.** Dark scarlet **78090** 5**Delicate Rose** **78100** 10**Delicate Rose with White Throat.** Very dainty and effective **78110** 10**Fairy Queen** (Firefly). Orange, white throat **78120** 5**luteum.** Yellow **78130** 5**Romeo.** Violet-rose, with pale lip **78140** 5**picturatum, Mixed.** Blotched **78150** 5**Mixed** ¼ oz. 20c., oz. 50c. **78160** 5**TALL, LARGE-FLOWERING VARIETIES****Blood-Red.** Fine color **78170** 10**Delilah.** White and carmine **78180** 10**Firefly.** Scarlet and white **78190** 10**Galathee.** Crimson and white **78200** 10**Queen Victoria.** Pure white **78210** 10**Striped.** Odd and pretty **78220** 10**White.** Beautiful for cutting **78230** 10**Yellow.** A pure, soft color **78240** 10**Large-flowered, Mixed.** Fine ¼ oz. 25c., oz. 75c. **78270** 10**Double White** **78280** 25

SNAPDRAGON (ANTIRRHINUM)

SNAPDRAGON, continued

SEMI-DWARF VARIETIES. Plants of this section make excellent bedders, as they bloom extra profusely and are only about 15 inches high. Pkt.

Black Prince. Nearly black.....78310 10

BONFIRE. Lovely orange-pink...78320 15

COTTAGE MAID. Pale coral-pink, white throat.....78330 15

Crimson King. Bright crimson, a deeper color than Scarlet King.....78340 15

grandiflora, Golden Queen. Yellow...78350 10

Queen of the North. Pure white; small-leaved.....78360 10

Rose Dore. Pretty, self-colored salmon-rose.....78370 25

Scarlet King. Brilliant scarlet; tall spikes of flowers.....78380 15

picturatum, Mixed. Blotched varieties. 78390 10

Fine Semi-dwarf Mixed.....78400 10

Tom Thumb, Finest Mixed. Very dwarf strain; 6 in.....78410 10

Collections of Snapdragon, including—
12 vars. Finest Tall.....78440 45
6 vars. Finest Tall.....78450 25

SOLANUM (gP). The Solanums are very ornamental fruit-bearing plants, and thrive best in light, rich soil. Fine for winter decoration in the house or conservatory. If used in summer garden give very warm situation; 1 to 3 ft. Pkt.

capicastrum (Jerusalem Cherry). Scarlet, globular berries; fine for pots; 1 to 1½ ft. 78480 10

giganteum. Small, round red berries; large, handsome variety.....78490 10

Hendersoni. Orange-scarlet berries of olive-form; fine.....78495 10

robustum. Orange-colored fruit like small cherries; very ornamental.....78500 10

†Seaforthianum. Beautiful climber; egg-shaped, yellowish red fruit; 8 ft....78510 10

Warszewiczii. Pale yellow fruit; smooth and shining; handsome sort.....78520 10

Collection of Solanum, including 6 varieties.....78540 30



SPIRÆA

SPHENOGYNE speciosa.....78560 10
Elegant hardy annual, with showy yellow flowers; 1 ft. Pkt.

SPIRÆA (Astilbe) Davidii.....78580 25
Beautiful hardy perennial, with tufted leafage and rose-purple flower-spikes; very strong grower, easily raised from seed; flowers in eighteen months; 6 ft. Pkt.

STACHYS lanata (Lamb's Ears)....78600 5
Ornamental hardy perennial, with silvery white, woolly leaves; used for edgings and borders; easily grown; 1½ ft.

STATICE (Sea Lavender). Pretty plants for the summer garden in beds or borders; good for rockwork also; much valued when dried as "Everlastings" for winter bouquets; 1 to 2 ft. Pkt.

Bonduellii (hA). Golden yellow....78630 5

sinuata (hA). Blue; very fine.....78640 5

"candidissima (hA). White; fine for edging.....78650 5

Suworowii (hA). Spikes of bright rose flowers; free bloomer; very handsome....78660 10

incana hybrida nana (hP). Dwarf; mixed colors.....78670 5

Perennial Sorts, Mixed (hP). Very choice. 78680 5

STENACTIS speciosa.....78700 10
Very showy, hardy perennial, bearing purplish lilac, aster-like flowers with conspicuous orange centers; fine for cutting; 2½ ft. Pkt.

STEPHANOPHYSUM longifolium (†gP). 78720 25

A pretty, free-flowering greenhouse plant, growing readily in any light and rich soil; flowers scarlet; 2 ft. Pkt.

STEVIA serrata (†gP).....78740 10

Greenhouse perennial; bears very elegant sprays of tiny white, fragrant flowers which are splendid for cutting; 2 ft.

STOCKS (MATTHIOLA). Stocks have good habit, fine leaves, beautiful and fragrant flowers, a long season of bloom and adaptability to many conditions of culture. They are unsurpassed for bedding, edging, pot culture and for cutting. For fine early flowers, sow under glass in March or April, transplanting the seedlings when an inch high into other pots or boxes, or into fine soil spread over some discarded hotbed. In May, transfer to garden beds of deep, rich soil, setting the plants a foot apart. Transplanting several times in the early stages of growth tends to make them more dwarf and compact. For later flowers, sowings may be made in the open ground in May. If plants that begin to bloom late are carefully potted in fall, they will flower finely all winter in a house that is tolerably cool and moist. Average height, 1 to 1½ feet.

GERMAN TEN WEEKS. Half-hardy annuals. Our seeds are pot-grown from the finest double sorts.

LARGE-FLOWERING DWARF PYRAMIDAL.

Earliest of All. For greenhouses in pots or for the open ground. Very large flowers. Pkt.

Delicate Light Rose.....78770 25

Porcelain-Blue. Striking color. 78780 25

Ruby. Fiery red; splendid color. 78790 25

Salmon. Soft, delicate shade...78800 25

Snowflake. Pure white.....78810 25

Finest Mixture.....78840 25

DWARF LARGE-FLOWERING. Long, splendid spikes; large, double flowers. Pkt.

Bright Red.....78870 10

Blood-Red. Very rich.....78880 10

Carmine.....78890 10

Crimson.....78900 10

Dark Blue. Beautiful.....78910 10

Lavender.....78920 10

Light Blue. Exquisite.....78930 10

Rose. Very dainty, light color..78940 10

Snow-White.....78950 10

Violet.....78960 10

Mixed.....78980 10

STOCKS, continued

	Pkt.
DRESDEN PERPETUAL, or BRANCHING.	
"Cut-and-Come-Again" ("Princess Alice"), White. Profuse and perpetual blooming; double, white flowers, fine for cutting.....	79000 25
"Empress Augusta Victoria." Delicate silvery lilac flowers in magnificent trusses; of true pyramidal growth; height 24 in.....	79010 25
Mixed.....	79020 25
GIANT PERFECTION, Large-flowered,	
Mixed.....	79040 25
Pure White.....	79050 25
GOOD MIXED STOCKS.....	79070 5
WALLFLOWER-LEAVED. The popular cut-flower variety; dark glossy leaves.	Pkt.
Crimson.....	79100 25
White.....	79110 25
Mixed.....	79120 25
DWARF GERMAN BOUQUET, Mixed....	79150 25

AUTUMNAL and LATE-FLOWERING

SORTS. From seed sown in spring and summer, these half-hardy biennials begin to bloom in fall, flowering all winter and late into spring if transferred to cool, airy quarters indoors. Usually the plants are wintered over in a frame. Nos. 79270 to 79370, if started in frames or boxes in early spring, will make a brilliant show in late summer and autumn.

	Pkt.
INTERMEDIATE (AUTUMNAL).	
Crimson.....	79180 25
White.....	79190 25
Mixed.....	79210 25
EMPEROR, LARGE-FLOWERING. Sow in spring for autumn and winter flowers; sow in midsummer for spring blooming.	
White.....	79230 25
Crimson.....	79240 25
Mixed.....	79260 25
WINTER, LARGE-FLOWERING.	
"Crimson.....	79270 25
"Empress Elizabeth. Carmine.	79275 25
"White.....	79280 25



STOCKS, GERMAN TEN WEEKS

STOCKS, AUTUMNAL, continued

	Pkt.
WINTER, DWARF BOUQUET.	
Crimson.....	79290 25
Mixed.....	79300 25
WINTER "NICE" VARIETIES, LARGE-FLOWERING—	
Abundance. Carmine-rose; profuse... 79310	25
Beauty of Nice. Flesh-color; extra-large flowers.....	79320 25
Monte Carlo. Pure yellow.....	79330 25
Pure White.....	79340 25
Queen Alexandra. Rosy lilac.....	79350 25
Mixed.....	79370 25
Choice Collections of Stocks. Containing only the finest varieties.	
German Ten Weeks	
24 vars. Large flowering.....	79400 \$1 00
18 vars. Large-flowering.....	79410 75
12 vars. Large-flowering.....	79420 50
6 vars. Large-flowering.....	79430 30
12 vars. Pyramidal, large-flowering.....	79440 65
6 vars. Pyramidal, " ".....	79450 40
12 vars. Emperor, " ".....	79460 1 00
6 vars. Emperor, " ".....	79470 60
12 vars. Dwarf German Bouquet.....	79480 60
6 vars. Dwarf German Bouquet.....	79490 35
6 vars. Dwarf Victoria Bouquet.....	79500 30
12 vars. Giant Perfection.....	79510 65
6 vars. Giant Perfection.....	79520 40
6 vars. Wallflower-leaved.....	79530 35
Autumnal, Winter, etc.	
8 vars. Intermediate German.....	79540 60
6 vars. Intermediate German.....	79550 50
6 vars. East Lothian Autumn.....	79560 65
12 vars. Fine Winter, or Brompton.....	79570 80
6 vars. Fine Winter, or Brompton.....	79580 40
6 vars. Winter Dwarf Bouquet.....	79590 50
STOKESIA (Cornflower Aster). This popular hardy perennial bears, all summer, large, attractive flowers resembling semi-double Asters; fine for cut-flowers; 2 ft.	Pkt.
Cyanea. Lavender-blue; handsome....	79610 10
Cyanea alba. Pure white.....	79620 10
Cyanea Mixed....	79630 10



STOKESIA CYANEA

STONECROP. See *Sedum*.

STREPTOCARPUS (Cape Primrose) **Veitch's**
Hybrids (gP) **79640** 50
 Very ornamental, profuse-blooming greenhouse plants,
 with clusters of Achimenes-like flowers in rich and bril-
 liant colors; 1 ft.

SUMMER CYPRESS. See *Kochia trichophylla*.

SUNFLOWER (**HELIANTHUS**). Very stately
 and decorative hardy annuals,
 with great masses of yellow flowers. Among shrubby,
 and for backgrounds and screens, nothing could be finer.
 Their long stems and wonderful lasting qualities make
 them valuable as cut-flowers. They are said to be good
 for absorbing the miasma of low grounds. Plant the
 seed in the open garden in spring, and thin the plants
 to stand 3 to 4 feet apart. Pkt.

argyrophyllus (Texas Silver Queen). Has
 handsome silvery foliage and a profusion
 of small, elegant, single flowers; 4 ft. **79670** 5

cucumerifolius. Of pyramidal growth;
 small, bright orange,
 single flowers; 3 ft. **79680** 5

" **Diadem**. Light citron-
 yellow with black center;
 large-flowered. . . **79690** 10

" **Stella**. Handsome; large-
 flowered; primrose-yel-
 low. **79700** 10

" **Orion**. A very handsome
 variety, with petals
 twisted like those of the
 best cactus dahlias;
 long, stiff stems; excel-
 lent for cutting. . **79710** 10

" **hybridus fl. pl.** A splen-
 did mixture of double
 and semi-double sorts...
79720 10

" **Single Fine Mixed**. . . .
 $\frac{3}{4}$ oz. 25c., oz. 75c. **79730** 10

Double California. Dark yellow; 5 ft. . .
79740 5

" **Dwarf**. Beautiful, dahlia-like
 flowers, 3 inches across. . **79750** 5



SWEET WILLIAM (*Dianthus barbatus*)

SUNFLOWER, continued

Double, Dwarf Variegated-leaved. Foli-
 age spotted with yellow; flowers
 bright yellow. **79760** 5

" **Globe-flowered**. Ball-shaped;
 blooms late; 3 ft. **79770** 5

" **Green-centered**. Odd and at-
 tractive; 3 ft. **79780** 5

Henry Wilde. Tall, small-flowered, grace-
 ful; single. **79790** 5

macrophyllus giganteus. Huge leaves
 and yellow flowers; 5 ft. **79800** 5

Primrose-colored. Graceful flowers of a
 lovely color; beautiful for cutting; 5 ft.
79810 5

Single Russian. Giant-flowered, yellow;
 5 to 8 ft. 1 lb. 25c., oz. 5c. **79820**

SWAINSONIA (gP). Valuable greenhouse plants of
 easiest culture; do best in sandy, peaty soil; continuously
 in bloom; sweet-pea-like flowers in sprays; 2 ft. Pkt.

alba grandiflora. White. **79860** 25

Ferrandii Carminea. Carmine. . . **79870** 50

Mixed Species. **79880** 10

SWEET PEAS (*Lathyrus odoratus*). See page 69.

SWEET SULTAN. See *Centaurea moschata*.

SWEET WILLIAM (*Dianthus barbatus*). The
 splendid, old-fashioned,
 hardy biennial, producing large heads of beautifully
 colored, sweet-scented flowers in abundance; easily
 grown, flowering the second year from seed; 1½ ft. Pkt.

**Single Auricula-flowered oculatus mar-
 ginatus** (Hunt's Perfection).
 Various shades, with white eye
 and white bordered. **79920** 5

" **Crimson**. **79930** 5

" **Pink Beauty (roseus)**. Rosy
 chamois. **79940** 15

" **Scarlet Beauty**. Brilliant scarlet;
 very fine. **79950** 15

" **White**. **79960** 5

" **Mixed**. **79970** 5

**Double Auricula-flowered oculatus mar-
 ginatus**. Handsome flowers in
 large clusters. **79980** 10

" **Crimson**. **79990** 10

" **White**. **80000** 10

" **Mixed**. **80010** 10

Collection of 6 varieties. **80030** 25

†**TACSONIA manicata** (Scarlet Passion
 Vine) (hhP) **80060** 25

A magnificent perennial climber, producing an abun-
 dance of large scarlet blossoms. Start the seed in pots,
 and transplant; 25 feet.

See, also, *Passiflora*.

TAGETES (hA). Pretty, dwarf-growing, single-flowering
 Marigolds; fine for beds and especially so for edgings.
 Pkt.

lucida. Yellow; fragrant; good for cutting;
 1 ft. **80090** 10

signata pumila. Bright golden yellow;
 bushy habit; fine for edgings; 8 in. **80100** 10

See, also, *Marigolds*.

TASSEL FLOWER. See *Cacalia*.

TECOMA Smithii (gP) **80130** 25
 Splendid greenhouse shrub; winter blooming; fine
 for pots; large heads of innumerable flowers, lemon with
 orange; 6 ft. Pkt.

†**THUNBERGIA alata, Mixed**. **80160** 10
 A very pretty, rapid-growing, tender perennial
 climber that is usually grown as an annual. Prized for
 window-boxes, vases, hanging-baskets, trellises, etc.;
 6 ft.

TOAD FLAX. See *Linaria*.

TORENIA. Beautiful tender annuals that, started early in the spring, in heat, will bloom continuously all summer until frost; fine for vases, baskets and the summer garden; 10 in. Pkt.

Fournieri. Sky-blue, with purple spots and yellow throat.....80190 25

“ **alba**, “White Wings.” Pure white with yellow throat.80200 25

“ **Fine Mixed.** Very choice.80210 25

Baillonii. Golden yellow, deep red throat.80220 25

†**TRACHELIUM cœruleum** (hhP).....80240 10
An attractive late-flowering perennial suited to culture as an annual; pale blue flowers; good in garden or greenhouse; 1 ft. Pkt.

TRACHYMENE cœrulea (**Didiscus**)..80260 10
An erect-growing, half-hardy annual; clear blue flowers; continuously in bloom. Very distinct in beds or borders; 1½ ft. Pkt.

†**TRICHOSANTHES colubrina** (Snake Gourd, or Serpent Cucumber).....80280 5
Rapid-growing, climbing, half-hardy annual, with slender fruit, often 3 feet long, turning carmine when ripe; 10 ft. Pkt.

See, also, Cucumis and Gourds.

TRIFOLIUM suaveolens (hA).....80300 5
An ornamental trailing clover with purple flowers; very sweet-scented; makes pretty beds.

TRITOMA (Red-Hot-Poker Plant). This splendid half-hardy perennial is also well known as Torch Lily; has gorgeous spikes of bloom; easily grown; should be largely planted. Fine in late summer and fall. Pkt.

MacOwanii. Bright orange-red; dwarf habit; 1 to 1½ ft.....80320 25

Uvaria grandiflora. Fiery orange flower-spikes, large and showy; 3 to 4 ft...80330 10

Mixed New Hybrids. Strikingly handsome; 2 to 5 ft.....80340 30

TROLLIUS Mixed Hybrids (Globe Flower).80360 10
Desirable hardy perennial with large, buttercup-like blossoms; free-flowering through the early summer; do well in any soil. Flowers vary from pale yellow to deep gold, bordering on vermillion; 1½ to 2 ft.

TROPÆOLUM. See Nasturtium.

TROPÆOLUM canariense. See Canary-Bird Flower.

†**TROPÆOLUM** (gP). Showy climbing vines; bright-colored flowers; fine for culture in pots; 10 ft. Pkt.
pentaphyllum. Greenish red flowers; fine.80390 15

tricolor grandiflorum. Orange and brown.80400 25

†**TUNICA saxifraga** (hhP).....80410 10
A desirable perennial for edgings and rockwork; rosy white flowers; blooms during summer and fall; 8 in. Pkt.

†**TYDÆA hybrida grandiflora** (gP)...80430 50
Well-known and very popular greenhouse plants allied to Gesneria and Achimenes. Hybrids from a choice collection; 1 to 2 ft.

†**VALERIANA** (Valerian). Very handsome hardy perennials that have been too much neglected; bloom all summer. Fine for borders, wild gardens and rockwork; of easiest culture; 2 ft. Pkt.

alba. White.....80460 5

rubra. Red.....80470 5

VENIDIUM calendulaceum.....80500 10
A graceful, single-flowered, half-hardy annual; covered for several months with black-eyed golden blossoms, resembling those of the pot marigold. Fine for cutting; good in pots as well as garden; 2 ft.

VENUS LOOKING-GLASS (**Specularia**). A pretty little hardy annual, blooming profusely in spring and summer, and desirable for edging flower-beds and borders; of easy culture; 9 in. Pkt.

Blue.....80530 5

Double Blue. Gives about 50 per cent of double flowers.....80540 5

White.....80550 5

Mixed.....80560 5

grandiflora, Mixed. Large-flowered.80570 10

VENUS' NAVELWORT (*Cynoglossum lini-folium*).....80590 5

An elegant hardy annual for beds or edgings; of easiest culture; glaucous green leaves and white flowers; blooms all summer; 10 in. Pkt.

VERBASCUM pannosum.....80610 10
A stately and decorative hardy perennial, with large, white, woolly leaves and splendid spikes of sulphur-yellow flowers; fine for backgrounds; 4 to 5 ft.

VERBENA (hhA). In rich soil, single plants of this pretty annual creeper will carpet a space 3 to 4 feet in diameter. For beds, borders, mounds, window-boxes, etc., it is particularly fine, and is frequently used as an undergrowth to tall plants like lilies. Plants raised from seed are cheaper, more vigorous and produce more flowers than those grown from cuttings. For early spring bloom, sow under glass in February, for later flowers, sow in March or April. Soak the seed a few hours in tepid water and sow in boxes filled with light, rich soil; cover one-fourth of an inch deep, press down firmly and water sparingly. When the seedlings are about an inch high, transplant into other boxes. Use a liberal amount of manure in the beds, and set out 10 to 15 inches apart each way in May and in a sunny situation. The plants bloom from early summer until frost. Pkt.

hybrida auriculæflora. Brilliantly colored flowers of fine size, each with a large, white eye.....80630 10

“ **Black-Blue, White Eye**...80640 10

“ **candidissima.** Large trusses of purest white flowers.....80650 10

“ **cœrulea.** Bright blue in various shades.....80660 10

“ **Defiance.** Intensely brilliant scarlet; fine for bedding.....80670 10

“ **italica striata.** Brightly striped.80680 10

“ **Scarlet.** Different shades...80690 10

“ **Yellow.** Primrose-color...80700 10

“ **Mixed**.....80720 5

“ **Finest Mixed.** Extra choice.80730 10

“ **Mammoth, Rose Queen.** Brilliant rose-colored flowers, 1 to 1½ inches across when well grown, produced in magnificent large umbels.....80750 25



VERBENA HYBRIDA

VERBENA, continued

hybrida Mammoth, Mixed. Plants and flowers are unusually large; extremely floriferous, and borne in large heads.....	80760	10
" Improved Mammoth, Mixed Auricula-flowered. Best of all.....	80770	25
Collection , including 6 varieties <i>Verbena hybrida</i>	80780	50
compacta erecta, Mixed. Finest collection.....	80790	10
erinoides. Small, violet; heavy bloomer; pretty.....	80810	10
" alba. Dazzling white; large; profuse bloomer; excellent.....	80820	10
venosa. Blue; fine for groups and for edgings.....	80830	10
citriodora (Lemon-scented Verbena). An attractive greenhouse shrub, grown for the delightful citron scent of its light green leaves.....	80840	10
VERONICA (Speedwell), Mixed Perennial Species	80890	10
Splendid hardy border plants of the easiest culture; bear bright-colored flowers all summer; 1 to 2 ft. Pkt.		
† VICIA Gerardii	80910	10
A pretty hardy annual climber with pea-shaped violet flowers; of the easiest culture; 4 ft. Pkt.		
† VINCA (Madagascar Periwinkle) (tP). Handsome, bushy bedding plants, that flower luxuriantly and most profusely all summer from seed sown in February or March in heat; fine also for pot culture in window-garden or greenhouse; 1 to 1½ ft. Pkt.		
rosea. Red.....	80940	10
" alba. White with rose center; dainty flowers.....	80950	10
" alba pura. Pure white; makes brilliant contrast with the dark green, shining foliage.....	80960	10
" Mixed	80970	10
VIOLET, Sweet-scented (<i>Viola odorata</i>) (hhP). Much prized for spring blooming. All the varieties have great beauty, are very fragrant and quite hardy; 6 in. Violet seed takes a long time to germinate. Pkt.		
Blue	81000	10
The Czar. Very large; dark blue.....	81010	10
White	81020	10
† VIOLA cornuta (Tufted Pansies) (hhP). Splendid free-blooming plants for partially shaded situations; with a little winter protection will be permanent for years; bloom continually all the season until frost; 6 in. Pkt.		
cornuta, Purple Queen	81040	10
" Mauve Queen	81050	10
" White Perfection	81060	10
pedunculata (California Yellow Violet)....	81070	25
VIRGINIAN STOCK (<i>Malcomia maritima</i>). Early and very free-flowering, dwarf, hardy annuals of easy culture; bright blossoms; most effective for edgings or beds; 1 ft. Pkt.		
Crimson King. Very fine.....	81100	5
Red	81110	5
White	81120	5
Mixed	81130	5
VISCARIA. Abundant-blooming hardy annuals, flowering all summer until frost; very effective for massing in beds and borders; easily grown; 1 ft. Pkt.		
elegans picta. Rose and scarlet.....	81150	5
oculata. Rose with dark eye.....	81160	5
" alba. White.....	81170	5
" candida. Pure white; fine.....	81180	10
" cœrulea. Sky-blue, dark center.....	81190	5
" Mixed. Bright colors.....	81200	5

WALLFLOWER (*Cheiranthus Cheiri*). Well-known half-hardy perennials of delicious fragrance, bearing in spring and early summer long spikes of bright flowers. Start the seed early in the season in heat, protect by coldframes during the following winter and plant out for bedding in spring. Fine also for blooming in greenhouse; 2 ft.

SINGLE-FLOWERING VARIETIES:

Eastern Queen. Very distinct shade, bright chamois changing to salmon-red.	81240	10
Feltham Early. Large; brown-red; fine.	81250	10
Golden King. Very large, golden yellow flower.....	81260	10
Rose Queen. A lovely terra-cotta-pink.	81270	10
Ruby Gem. Very rich ruby-color.	81280	10
White Dame. Large, creamy white flowers of dwarf, compact habit.	81290	10
Fine Mixed. Very showy mixture.	81320	5
ANNUAL, Mixed	81340	15

This annual or extra-early flowering strain, if started early in heat, will bloom the same season; 1 to 1½ ft.

DOUBLE-FLOWERING VARIETIES:

Double Tall Branching, Mixed. 2 ft. . .	81370	25
Double Dwarf Branching, Mixed. 1 ft. . .	81390	25
Collections of Wallflowers, including— 12 varieties Double-flowering German . . .	81410	1 00
8 varieties Double-flowering German . . .	81430	80
6 varieties Double-flowering German . . .	81450	65

WAX GOURD. See *Benincasa cerifera*.

WHITLAVIA. Easily grown hardy annuals of compact habit; excellent for beds or borders; bears in profusion all the season pretty, bell-shaped flowers; 1 ft. Pkt.

gloxinioides. White and blue.....	81480	5
grandiflora. Blue.....	81490	5
" alba. White.....	81500	5

***WIGANDIA** (hhP). Imposing decorative plants with very large and beautifully veined leaves; prized for subtropical gardening and groups on lawns. Start the seeds very early in the season in heat to produce good plants for summer beds; 6 ft. Pkt.

caracasana. Grand foliage.....	81530	10
Vigieri. Very large-leaved.....	81540	10

XERANTHEMUM. This well-known hardy annual is one of the oldest and prettiest of the "Everlasting" flowers, and in winter bouquets retain their color and form for years. Fine for beds and borders; in bloom all the season until frost; 1½ to 2 ft. Pkt.

Double Purple	81570	5
" Rose	81580	10
" White	81590	5
" Mixed	81600	10

Collection, including 6 varieties of Xeranthemums..... 81620 | 25 |

YUCCA filamentosa (Adam's Needle). **81650** 10
One of the best summer ornamental hardy perennial plants, when both foliage and bloom are considered; elegant spikes of creamy white, fragrant flowers; broad, sword-like leaves; 5 to 6 ft.

ZINNIA (YOUTH AND OLD AGE). Few flowers are so easily grown from seed, or bloom so abundantly and continuously, as this hardy annual. Sow the seed in the open ground early in spring. From July until the first hard frost, Zinnias are incomparably bright; the plants grow a foot or more in height and are covered with large, double flowers. Fine for beds and borders; in fact, in any location.

TALL MAMMOTH-FLOWERING DOUBLE.

A distinct and splendid class of this ever-popular flower, producing extra-large, double blooms; 2½ ft. Pkt.

Crimson	81680	15
Flesh-color	81690	15

ZINNIA, TALL MAMMOTH DOUBLE, continued	Pkt.
Sulphur-Yellow.....	15
Violet.....	15
White.....	15
Mixed.....	15

TALL DOUBLE. For borders and groups; 2 ft.

Carmine.....	5
Crimson.....	5
Flesh-color.....	5
Lilac.....	5
Purple.....	5
Rose.....	5
Scarlet.....	5
Striped.....	5
White.....	5
Yellow, Sulphur.....	5
" Golden.....	5
Mixed.....	5
" Extra Selected.....	10

DWARF DOUBLE. More compact and of neater habit than the tall varieties; 15 in.

Bright Scarlet.....	10
Crimson.....	10
Purple.....	10
Salmon.....	10
White "Snowball".....	10
Yellow, Golden.....	10
Mixed.....	5
Tom Thumb, Mixed.....	10
Lilliput, Scarlet Gem.....	10
" White.....	10
" Mixed.....	10
Mixed Pompon.....	10
Haageana, Double Mixed. 1½ ft.....	10
Curled and Crested, Mixed. 2 ft.....	10

Collections of Zinnias, including—	Pkt.
10 varieties Tall Double.....	45
6 varieties Tall Double.....	25
6 varieties Dwarf Double.....	40
8 varieties Dwarf Double.....	60



ZINNIA HAAGEANA

MIXED ANNUAL FLOWER SEEDS

Bright-colored, summer-flowering, easily grown hardy annuals in the greatest variety for sowing broadcast.

		Oz.	POSTPAID ¼lb.	½lb.	Lb.
Mixed Tall.....	82300	\$0 15	\$0 40	\$0 75	\$1 25
Mixed Dwarf and Semi-Dwarf.....	82320	20	45	80	1 50
Mixed Annuals for Bees.....	82340	10	30	55	1 00

MIXED PERENNIAL FLOWER SEEDS

		Oz.	POSTPAID ¼lb.	½lb.	Lb.
Tall Hardy Sorts, Mixed.....	82360	\$0 20	\$0 45	\$0 80	\$1 50
Dwarf Hardy Sorts, Mixed.....	82380	25	75	1 25	2 00

PALM SEEDS

	Pkt.	100 seeds		Pkt.	100 seeds
Areca lutescens15 seeds,	\$0 25	\$1 25	Kentia Belmoreana15 seeds,	\$0 25	\$1 25
<i>sapida</i>10 "	10	75	<i>Canterburyana</i> (Umbrella		
Brahea filifera (Washing- <i>tonia</i>).....30 "	10	25	<i>Palm</i>).....8 "	50	
<i>robusta</i>25 "	10	30	<i>Forsteriana</i>15 "	25	1 50
Chamaerops elegans argen- <i>tea</i>15 "	10	50	Latania borbonica25 "	10	30
<i>excelsa</i>30 "	10	25	Musa Ensete (Abyssinian <i>australis</i>15 "	20	1 00
Cocos australis15 "	20	1 00	<i>Banana</i>).....15 "	25	1 50
<i>Bonnetti</i>15 "	25	1 25	Oreodoxa regia (Royal <i>campestris</i>15 "	15	1 00
<i>Weddelliana</i>15 "	25	1 50	<i>Palm</i>).....15 "	20	1 00
Corypha (Livistonia) aus- <i>tralis</i> (Cabbage Palm)..10 "	10	75	Pandanus utilis (Screw <i>Dracaena australis</i>20 "	8	15
<i>indivisa</i>25 "	15	50	<i>Pine</i>).....8 "	15	1 50
<i>Draco</i>30 "	10	25	Phoenix canariensis15 "	10	40
	25	50	<i>dactylifera</i> (Date Palm)..15 "	10	50
			<i>reclinata</i>8 "	10	80
			<i>rupicola</i>15 "	25	1 25
			<i>tenuis</i>15 "	10	40
			Seaforthia elegans8 "	10	75

Collection of 10 varieties of Palm seeds, by name, our selection, \$1

Throughout the year we have *Cycas revoluta* stems (Sago Palms) in various sizes, direct from Japan. Lb. 15 cts.

ORNAMENTAL GRASSES

The Ornamental Grasses are very attractive to use in mixed flower-beds or borders, and for grouping by themselves give fine effects. Many of them, if cut before they are entirely ripe, will be found very useful, when dried, in the formation of winter bouquets, in connection with the "Everlastings."

Not less than one ounce of the cheaper sorts at ounce rate.

- ***AGROSTIS** (Cloud Grass) (hA). Very fine for vases and bouquets. Pkt.
- nebulosa**. Very delicate and graceful; 18 in. **.82600** 10
- pulchella**. Good for bouquets; 1 ft. **.82610** 10
- ***ANDROPOGON argenteus** (hP) **.82630** 10
Large, silvery plumes; 3 ft.
- ***ARUNDO** (Great Reed) (hP). Well adapted for large clumps; stately and ornamental; 10 ft. Pkt.
- Donax**. Green leaves. **.82650** 10
- " **foliis variegatis**. Green leaves striped with white. **.82660** 10
- AVENA sterilis** (Animated Oats) (hA) **.82680** 5
Drooping, curious, and very graceful; 2 ft.
- BRIZA** (Quaking Grass) (hA). Well-known, graceful species; very fine for bouquets; 1 to 1½ ft. Pkt.
- geniculata**. **.82710** 5
- gracilis**. **.82720** 5
- maxima**. **.82730** 5
- BRIZOPYRUM silicum** (hA) **.82750** 5
Dwarf species of Spike Grass; fine for edgings; 10 in.
- BROMUS** (hA). Fine varieties for large winter bouquets; 2 to 2½ ft. Pkt.
- brizæformis**. oz. 25c. **.82770** 5
- macrostachyus**. oz. 25c. **.82780** 5
- madritensis**. Very fine for dyeing. **.82790** 5
- CHLORIS barbatus vera** (hA) **.82820** 10
Very neat species; for groups, baskets or edgings; 1 ft. Pkt.
- CHRYSURUS cynosuroides** (hA) **.82840** 5
Pretty for edgings; silky plumes that become golden as they mature; 10 in. Pkt.
- COIX Lacrymæ** (Job's Tears) (hA)
oz. 15c., lb. 50c. **.82860** 5
Seed resembles a tear-drop; fine for massing; 2 to 3 ft.
- ELEUSINE** (Crab or Yard Grass) (hA). Highly interesting species. Pkt.
- barcinonensis**. 1 ft. **.82900** 5
- coracana**. 2 to 3 ft. **.82910** 5
- indica** (Wire Grass). 2 to 3 ft. **.82920** 5
- ELYMUS giganteus** (hP) **.82940** 5
Splendid for groups; 5 ft.
- ERAGROSTIS** (hA). Pretty Grasses growing a foot or more high, and characterized by their beautiful dancing spikelets; all are handsome for bouquets. Pkt.
- abyssinica**. 2 to 3 ft. **.82960** 5
- amabilis**. 1 ft. **.82970** 5
- elegans** (Love Grass). 1 ft. oz. 25c. **.82980** 5
- maxima**. 2 ft. **.82990** 10
- †***ERIANTHUS Ravennæ** (Plume Grass) (hP).
¼ oz. 15c. **.83010** 5
Very stately and ornamental, fine silvery plumes, splendid in lawn groups. Resembles closely the Pampas Grass; 6 to 8 ft. Pkt.
- ***EULALIA** (hP). Among the most beautiful and ornamental of the tall-growing Grasses; 4 to 6 ft. Pkt.
- japonica**. Long, dark green leaves; fine for groups. ¼ oz. 20c. **.83030** 10
- " **zebrina** (Zebra Grass). The dark green leaves are barred with creamy white; variegations run across foliage. **.83040** 10
- FESTUCA glauca** (Fescue Grass) (hP) **.83080** 10
Pretty dwarf Grass, leaves silvery blue; fine for edgings; 1 ft.

- GYMNOTHRIX**. Curious and ornamental; single specimens are of striking effect; 3 ft. Pkt.
- japonica** (hA). Long, narrow leaves; bears cylindrical spikes. **.83130** 10
- latifolia** (hP). Very ornamental; bears nodding spikes. **.83140** 10
- ***GYNERIUM** (Pampas Grass) (hhP). Noblest of the tall-growing ornamental Grasses. Bears magnificent plumes; needs protection in winter; 4 to 6 ft. Pkt.
- argenteum**. Long, silvery white plumes; splendid. ¼ oz. 20c. **.83160** 10
- " **roseum**. Rose-colored plumes. **.83170** 10
- jubatum**. Silvery red plumes. **.83180** 10
- HORDEUM jubatum** (Squirrel-tail Grass) (hA) **.83210** 5
Bushy panicles; very effective for bouquets; 1½ to 2 ft.
- JOB'S TEARS**. See *Coix Lacrymæ*. Pkt.
- LAGURUS ovatus** (Hare's-tail Grass) (hA).
oz. 25c. **.83270** 5
Small, silvery gray plumes; good in dried bouquets. 1 ft. Pkt.
- LASIAGROSTIS argentea** (hP) **.83290** 5
Beautiful, silvery white panicles; fine for winter bouquets; 2 to 3 ft. Pkt.
- PANICUM sulcatum** (hP) **.83340** 10
Very showy; palm-like in form; 4 ft.
- PENNISSETUM** (hA). Very ornamental; fine for groups and bouquets. Pkt.
- longistylum (villosum)**. Graceful, greenish white plumes; good in beds; 2 ft. oz. 30c. **.83370** 5
- Rueppellianum**. Violet-purple plumes, fine for edging beds of tall plants like cannas; 2 to 3 ft. oz. 30c. **.83380** 5
- POA amabilis** (hA) **.83400** 5
Very pretty ornamental Grass for edgings and bouquet-work; 2 ft.
- ***STIPA** (hP). Popular and graceful species; splendid for bouquets; 2 ft. Pkt.
- elegantissima**. Very pretty plumes. **.83460** 10
- pennata** (Feather Grass). Delicate, silvery white, feathery plumes; a favorite sort. ¼ oz. 20c. **.83470** 10
- TRICHOLÆNA atropurpurea** (hA) **.83500** 5
A very pretty species; particularly good in dried bouquet work; 2 to 3 ft. Pkt.
- ZEa** (Maize—Ornamental Varieties of Corn) (hA). Well known and very popular; 4 to 6 ft.
- Curagua** (Giant Maize). A robust-growing, green-leaved variety. oz. 20c. **.83540** 5
- gracillima (minima)** (Miniature Maize). A graceful, dwarf variety. oz. 20c. **.83550** 5
- japonica foliis variegatis** (Striped Japanese Maize). Very fine. oz. 20c. **.83560** 5
- " **gigantea quadricolor**. Beautifully striped with white and rose. oz. 20c. **.83570** 5
- Collections of Ornamental Grasses:**
25 varieties Ornamental Grasses, one packet of each. **.83580** 80
12 varieties Ornamental Grasses, one packet of each. **.83590** 50

GLADIOLI

ALL EXTRA-SELECTED, LARGE BULBS, NO SECOND SIZE

Add 6 cts. per dozen, or 50 cts. per 100 for postage

Gladioli are very easily grown. Any good soil suits them. Plant the bulbs as soon as all danger from frost is past, about 3 inches deep and 7 or 8 inches apart. By planting at intervals up to the first of July, these fine flowers can be had in bloom all through the summer and fall—the later flowers being the best. About the end of October, when the leaves begin to wither, the bulbs should be taken up, dried in the open air, and then stored in a dry place, free from frost, for planting next spring. Those marked with an asterisk (*) are used extensively for forcing.

THORBURN'S EXTRA-FINE MIXED HYBRIDS

Containing only finest named sorts in a wide range of colors and markings. 65 cts. per doz., \$4.50 per 100, \$40 per 1,000.

PRIMULINUS Hybrids. Hybrids of a South African species, with many related species and choice garden varieties. Extremely vigorous and healthy growers, blooming in July and August. Grows 3 to 5 feet high, with long spikes of richly colored blooms, varying in color from clear yellow to crimson, the latter with large, soft orange or golden throats. 15 cts. each, \$1.50 per doz., \$10 per 100.

VARIOUS MIXED GLADIOLI

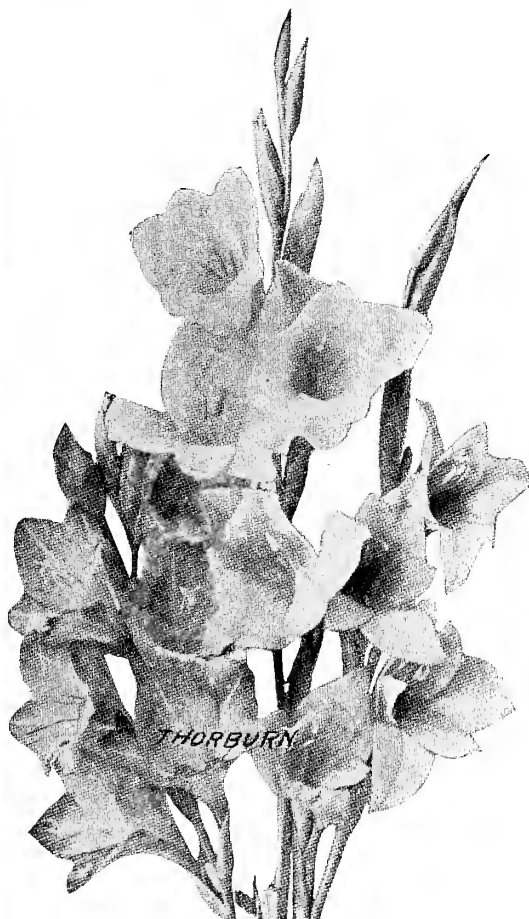
Six of a kind at dozen rate, 25 at 100 rate, 250 at 1,000 rate

Mixed Varieties of Red and	Doz.	100	1,000
Scarlet. A splendid assortment of fine quality; large flowers.....	\$0 30	\$2 00	\$16 00
White and Light. A standard selection of excellent-quality bulbs.....	35 2 25	18 00	
Extra White and Light. An unsurpassably high quality; fine for florists and forcing.....	50 3 00	22 00	
Striped and Variegated. Pleasing to the eye in the broadest sense. A charming lot.....	50 3 00	22 00	
Pink and Rose. Colors vary from the most delicate pink to gaudy rose. Every one a vigorous grower.....	30 2 00	16 00	
Violets and Purples. New selection.....	55 4 00	30 00	
Yellow and Orange. No color shows up more charmingly, either singly or in contrast with the more vivid shades.....	65 4 50	38 00	
Hybrids. A superb mixture of the various colors, in which no one color plays the predominating part. Very fine quality.....	30 1 50	12 00	
Groff's Hybrid Seedlings. This mixture is the well-known and distinct race resembling the Lemoine Hybrids, but showing greater diversity of colors in the flowers.....	30 2 00	15 00	
Lemoine's. Their remarkably bright, rich colors and odd orchid-like markings account, in a way, for their being popularly known as the Butterfly Gladioli. A most desirable sort.....	30 1 50	12 00	
Childsii. Grand flowers of large size, and beautifully colored.....	30 2 00	16 00	
Excelsior. Selected strain of Gandavensis seedlings, mostly light shades.....	40 2 50	20 00	
Nanceianus. Large, open-spreading flowers. Extra-fine mixture.....	40 2 50	20 00	

FINE NAMED HYBRID GLADIOLI

Not less than six of a kind at dozen rate, 25 at 100 rate

	Doz.	100
*America. A beautiful flesh-pink tinged with lavender. Very vigorous, with large, spreading blossoms on spikes 2 to 3 feet long.....	\$0 50	\$3 50
Attraction. A deep, rich crimson with a center that shows prominent above all.....	60	4 00
*Augusta. Pure white with a lavender-tinted throat. A splendid sort.....	60	4 00



MIXED HYBRID GLADIOLI

FINE NAMED HYBRID GLADIOLI, continued

Baron Hulot. (Lemoine.) Without a Doz. 100 doubt the finest blue Gladiolus. It is a rich, deep color of an indigo shade....\$1 25 \$8 00	Little Blush. Dwarf habit, compact; Doz. 100 blush-white.....\$1 00 \$7 00
Boston. Flaming orange-scarlet with white throat.....1 00 7 00	Lydia. A fantastic mottling of pinkish white and deep rich crimson.....1 25 8 00
*Brenchleyensis. A fine old vermilion- scarlet variety.....35 2 00	Madame Lemoinei. (Lemoine.) White tinted lemon, large crimson blotch....50 3 00
Brilliant. Beautiful orange-red with carmine-and-white throat. Superior to all other scarlets.....1 00 6 00	*Madame Moneret. Delicate rose; fine, large spike.....60 4 00
Canary-Bird. Finest yellow.....1 50 9 00	*May. A lovely pure white, finely flaked rosy crimson.....60 4 00
Capt. C. B. Tanner. Extra large and fine. Brilliant crimson and white freely mottled and intermixed.....1 00 7 00	Mayor. Fine, large, compact spike; rich purple-rose.....1 00 7 00
*Ceres. Pure white spotted with pur- plish rose.....40 2 50	Mohonk. Dark pink with spotted throat, shading orange and flaked with maroon.....1 50 10 00
Columbia. Light orange-scarlet, freely blotched and penciled with bluish- purple. Throat freely mottled.....1 00 6 00	Mrs. Beecher. Beautiful, deep rose- crimson; large, well-opened flowers with pure white throat.....1 50 10 00
Compacta. Large flower, very com- pact, with wide spike. Rosy blush, slightly striped and mottled pink. Quite distinct and very handsome....1 50 10 00	Mrs. Francis King. Light scarlet; very large flowers on a long spike.....60 4 00
Dr. Sellew. Large spike and very large flower of great substance. Deep rosy carmine, slightly penciled darker. Petals and throat rayed white.....1 00 7 00	Mrs. Frank Pendleton. (Lemoine.) Very large, graceful blossoms of lovely bright pink with rich carmine blotches on the lower petals; very beautiful....3 50 28 00
Emma Thursby. White, striped and blotched.....75 5 00	Mrs. W. N. Bird. Beautiful lilac-rose; crimson and white mottlings in-throat and carmine marks.....1 50 10 00
Eugene Scribe. Very large and wide; tender rose, blazed carmine-red. Ex- ceptionally fine for florists' use.....1 00 6 00	Nezinscott. Bright blood-scarlet with deep velvety crimson blotches and white mottlings.....1 25 8 00
Faust. Deep purplish carmine with white markings on lower petals.....75 5 00	Octoroon. A beautiful salmon-pink....1 00 7 00
F. L. Oakley. Bright scarlet-tinted salmon with pure white center. A very fine show variety.....1 00 6 00	*Pink Beauty. Bright carmine-rose with darker blotch on lower petals; early; fine cut-flower.....75 5 00
George Paul. Deep crimson, stained yellow, spotted purple.....1 25 8 00	Portland. Rosy red, penciled darker; mottled throat.....1 25 8 00
Glory of Brightwood. Scarlet with lemon throat.....1 00 6 00	Princeps. Glowing crimson with white flakes on lower petals.....1 25 8 00
Halley. Large flowers of a lovely salmon- pink, lower segments blotched yellow with carmine markings. An excellent variety.....75 5 00	Rosella. (Lemoine.) Large, well-opened flowers of light rose, stained purple and white.....1 50 10 00
Henry Gillman. Deep salmon-scarlet with pure white bands, the throat showing peculiar mottlings.....1 00 6 00	Rosy Spray. White, beautifully sprayed rose; large and fine.....1 25 8 00
Hollandia. Rosy nankeen; late.....75 5 00	Salem. Fine salmon-pink with maroon blotches.....1 00 7 00
I. S. Hendrickson. A beautiful and irregular mottling of white and bright pink, in some the pink and in others the white predominating. Flowers and spike very large and fine.....1 00 7 00	Salmonette. A dainty Lemoinei variety; salmon-rose.....75 5 00
Irene. Fine, large flower and stalk. A fine shade of pink, freely flaked bright crimson.....1 00 7 00	Scarsdale. (Lemoine.) Large, pink- lavender flowers shaded to dark rose..1 25 8 00
*Isaac Buchanan. Very fine yellow; large flowers.....1 00 7 00	Scribe. An enormous spike; flower tinted white, freely striped carmine.....1 25 8 00
Jessie. (Lemoine.) Fine velvety red; long spike of flowers.....75 5 00	*Shakespeare. White, suffused with carmine-rose, large rosy blotch.....1 25 8 00
Kate. Blush-white with crimson-blotched throat.....75 5 00	Splendor. A beautiful, large flower of the softest rose-color, large magenta stain.....1 50 10 00
Kunderi "Glory." Each lower petal is exquisitely ruffled and fluted. Stalks grow 4 to 5 feet tall, and produce from eight to twelve beautiful flowers, which expand wide open and are delicate cream-pink with a neat crimson stripe through the center of each lower petal.1 25 8 00	Spot. White, freely spotted and mottled rose.....1 00 7 00
Lafayette. (Lemoine.) Very large; yellowish salmon, crimson blotch....1 25 8 00	Sunlight. Light crimson with large, canary-yellow throat, mottled velvety maroon.....75 5 00
Lamarck. (Lemoine.) Salmon, with crimson and yellow spots.....1 00 6 00	Sunshine. Tall spike of twenty or more flowers; fine yellow.....1 50 11 00
Lemon Drop. Light lemon with bright yellow throat.....1 00 7 00	Superb. Enormous flower and spike, one of the very largest; pink, flaked and striped with salmon-pink.....1 25 8 00
Le Poussin. Light red, white blotch...1 00 7 00	Taconic. Bright, lively pink, flecked and striped with shades of the same color..1 00 7 00
	*Wm. Falconer. Spike of great length and flowers of enormous size; beautiful, clear light pink.....1 50 10 00
	*Wild Rose. A remarkable variety of very bright rose or blush-tint, exceed- ingly delicate and pretty. Fine for forcing under glass. In its color this flower stands alone.....1 50 10 00

DAHLIAS, Double

6 of a kind at dozen rate

If ordered to be sent by parcel post, add postage at zone rates. Weight per dozen, 6 lbs. (including packing), for largest-size roots as offered below. We can supply smaller roots, weighing (with packing) 3 lbs. per dozen, at a reduction of 25 per cent in price of roots. Postage on single roots, 5 cts. each.

CACTUS DAHLIAS

	Each	Doz.
T. G. Baker. New. Bright yellow; very large, finely formed flowers held on long, stiff stems.	\$0 25	\$2 50
Cockatoo. Clear yellow, tinted fawn and tipped white. The flowers are exquisitely large, beautiful in form and always full to the center; a profuse bloomer.	25	2 50
Countess of Lonsdale. Yellow, suffused salmon-red; a beautifully formed flower.	20	2 00
Flame. A bright and effective orange-scarlet. Height 3 feet.	25	2 50
Floradora. Beautiful, pure garnet; splendid form and a free bloomer.	25	2 50
General French. An orange-terra-cotta color, especially adapted to decoration.	25	2 50
H. Shoemith. Brilliant vermilion-scarlet; long, slender, quilled petals. The best bright red Cactus Dahlia.	25	2 50
J. B. Briant. Rich yellow; of immense size. Petals long, narrow and beautifully incurved. Used extensively for exhibition purposes.	25	2 50
Lawine. White, suffused blush; a magnificent flower of largest size.	25	2 50
Perle Hilde. A delicate shell-pink sport of Kriemhilde.	20	2 00
The Pilot. Yellow, heavily tipped bright terra-cotta.	20	2 00
Uncle Tom. Dark maroon, shaded black.	20	2 00

DECORATIVE DAHLIAS

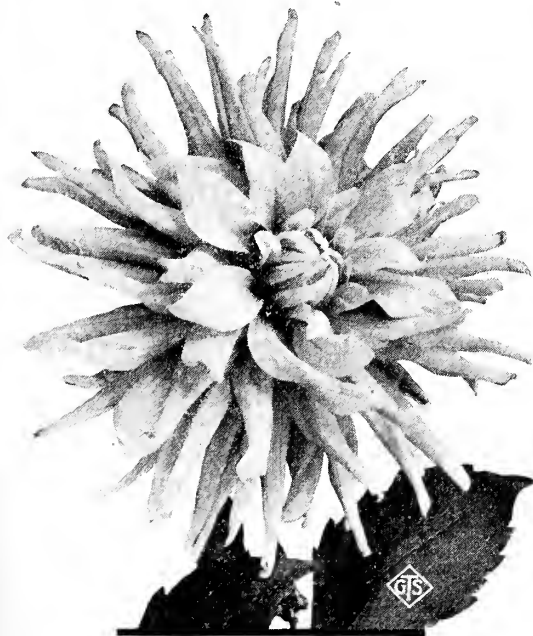
	Each	Doz.
Admiral Togo. Bright wine-red, margined velvety maroon.	\$0 20	\$2 00
Delice. Bright rose-pink; entirely distinct; very beautiful in form.	25	2 50
Golden Wedding. New. The largest, probably, of all Dahlias. Deep golden yellow. A gorgeously distinct variety.	25	2 50
Jacque Rose. The best crimson for garden or cutting.	15	1 50

DECORATIVE DAHLIAS, continued

	Each	Doz.
Lyndhurst. Brightest vermilion. An early, free and continuous bloomer, with long, straight stems.	\$0 15	\$1 50
Maid of Kent. Rich cherry-red, tipped white.	15	1 50
Minnie McCullough. Soft golden yellow, tipped bronze-red. Especially effective under artificial light. Perfect form, on long, erect stems.	20	2 00
Mrs. Charles Turner. Very large; clear canary-yellow.	20	2 00
Perle du Parc. Very large; pure white, sometimes flushed with pink; on erect, wiry stems.	25	2 50
Professor Mansfield. A giant Decorative of the most unique coloring—a pleasing combination of yellow, red and white.	15	1 50
Rayon d'Or. Bright terra-cotta, sometimes tipped white.	15	1 50
Sylvia. Deep pink, tinting to flesh-pink at the center. Long, stiff stems; large and perfect in form. Fine for cutting or garden.	15	1 50

SHOW AND FANCY DAHLIAS

	Each	Doz.
Dorothy Peacock. New. The most exquisitely beautiful shell-pink Dahlia on earth. Large-sized flowers. Absolutely without a fault.	\$0 30	\$3 00
Arabella. Soft primrose, shaded and tipped rose. One of the loveliest.	15	1 50
Elegans. Bright rosy purple, tipped white, with quilled petals.	15	1 50
Penelope. White, flaked rosy lake, beautiful and chaste.	15	1 50
Queen Victoria. Rich golden yellow.	15	1 50
Red Hussar. Dazzling cardinal-red; strong, vigorous grower and free bloomer, on long stems. Best red Show Dahlia for cutting.	15	1 50
White Swan. Large; pure white.	20	2 00



CACTUS DAHLIA



DECORATIVE DAHLIA

POMPON DAHLIAS

Klein Domitea. Bright, golden terra-cotta; very profuse.....	Each	Doz.	
			\$0 20 \$2 00
Snowclad. The best pure white Pompon..	20		2 00
Sunshine. Richest vermilion-scarlet. Splendid little flowers on long stems.....	20		2 00

PAEONY-FLOWERED DAHLIAS

Big Chief. Enormous size; rich crimson, margined maroon. A very strong, vigorous plant, with fern-like foliage.....	Each	Doz.	
			\$0 20 \$2 00



CENTURY DAHLIA

PAEONY-FLOWERED DAHLIAS, continued

Canary. Fine canary-yellow; very large, on long, graceful stems; early	Each	Doz.	
			\$0 25 \$2 50
Cleopatra. Rich oriental red, base of petals primrose-yellow.....	30		3 00
Geisha. The most striking color combination; golden yellow, changing to bright scarlet at the center of the petals and back to gold at the tips. Giant flowers on long, wiry stems.....	40		4 00
Mrs. Carter Lewis. Pale lilac, suffused with rose.....	25		2 50
Sensation. Vermilion-red, tipped snow-white; distinct and striking. A strong, vigorous grower and profuse bloomer....	30		3 00
Sunny Jim. Bright yellow, blending with red, deepening toward the end and ending with a yellow tip.....	50		5 00

CENTURY DAHLIAS

Cardinal Century. Very large; rich cardinal-red. The best deep red.....	Each	Doz.	
			\$0 20 \$2 00
Eckford Century. Probably the largest single Dahlia. Immense flowers of pure white, spotted pink and penciled crimson; produced on long, stiff stems.....	20		2 00
Fringed 20th Century. The first of a new race, with cleft or serrated petals. A bright rosy crimson, with lighter markings.	20		2 00
Gigantea alba, Century. Snow-white; of immense size and beautiful form. Produced in almost endless profusion on long, graceful stems.....	25		2 50
Rose-Pink Century. The largest and best deep pink. Enormous flowers on long, 3-foot stems. A sure and continuous bloomer; vigorous plant.....	20		2 00
Wildfire Century. Century size, with the brilliant, rich scarlet of the old Wildfire. Acknowledged the best commercial scarlet.	20		2 00

CANNAS, Dwarf, Large-Flowering French

Not less than 6 of a kind at dozen rate, 25 at 100 rate. If wanted by mail, add 15 cts. per dozen for postage

Cannas do well in almost any kind of soil, but they well repay liberal treatment. For the best results they should be planted in good loam that has been well mixed with an abundant supply of well-rotted stable or other manure. The beds should be spaded 2 feet deep, or more, and the soil well pulverized. Water should be applied abundantly at all times, but good drainage is essential.

Cannas are most effective when planted in masses, either alone or in combination with salvia (scarlet sage) and bordered with coleus or other dwarf-growing bedding plants. They are also frequently used with some of the tall-growing ornamental grasses, with which striking combinations can often be secured. They do best in sunny situations, and should be set out about 2 feet apart each way.

ALL OF THE FOLLOWING ARE DORMANT ROOTS

GREEN-FOLIAGED CANNAS

PINK-FLOWERING

Martha Washington. 3 ft. Each	Doz.	100
Bright rose-pink; considered one of the finest in this color. A splendid sort for massing.....	\$0 10	\$1 00 \$6 00
Mrs. Alfred F. Conard. 4 ft. This popular variety keeps a superb showing for months, of exquisite salmon-pink flowers that are of the largest size, and are borne in abundance on erect heads.....	20	2 00 14 00
Venus. 4 ft. This is one of the prettiest Cannas in existence. The flowers are a gay rosy pink with a well-defined border of creamy yellow; blooms all the time, with heads erect and flowers bright....	10	1 00 6 00

RED-FLOWERING

Beacon. 4½ ft. Flowers of very rich cardinal, and produced in great masses; great bloomer...	Each	Doz.	100
			\$0 15 \$1 50 \$10 00
Patrie. 4 ft. Flowers light crimson; of large size. Good for planting either singly or in masses.....	10		1 00 5 00

RED-FLOWERING, continued

Philadelphia. 3 ft. This is one of the most satisfactory dwarf crimson Cannas yet produced..	Each	Doz.	100
			\$0 10 \$1 00 \$5 00

YELLOW-FLOWERING

Buttercup. 3 ft. Charming yellow; very bright.....	Each	Doz.	100
			\$0 15 \$1 50 \$10 00
California. 4 ft. Flowers are a pure, rich orange-gold; medium size, and borne freely; attractive.....	10		1 00 6 00
Richard Wallace. 4 ft. Flowers large; color pure yellow. Fine for bedding.....	10		1 00 6 00

VARIEGATED-FLOWERING

Comte de Bouchard. 4½ ft. A striking variety; intensely bright, light yellow, dotted red	Each	Doz.	100
			\$0 10 \$1 00 \$5 00
Gladioflora. 3½ ft. Flowers look like large gladioli; crimson, changing to carmine, edged with gold ..	15		1 50 10 00
Mad. Crozy. 3½ ft. Vermilion, with gold border; very pretty....	10		1 00 6 00

BRONZE-FOLIAGED CANNAS

RED-FLOWERING

	Each	Doz.	100
Brandywine. 3½ ft. Flowers red. Splendid for mass planting. \$0 10 \$1 00 \$5 00			
David Harum. 3½ ft. Large-sized flowers, with well-rounded petals of good substance. Bright vermilion-scarlet, dotted with crimson spots. 10 1 00 5 00			
Improved Black Beauty. 5 ft. Flowers are large and brilliant red. 10 1 00 6 00			
Mrs. Geo. A. Strohlein. 6 ft. Flowers of amaranth-red; large, bronze foliage. 10 1 00 5 00			
Wabash. 4 ft. The bronzed-foliaged <i>Rosea gigantea</i> . Flower is unusually large; carmine-pink. 20 2 00 14 00			
Wm. Saunders. 4 ft. Flowers often 5 inches across, are bright scarlet. A blaze of beauty all summer. 15 1 50 10 00			

YELLOW-FLOWERING

	Each	Doz.	100
Eastern Beauty. 4 ft. Flowers light salmon and orange. \$0 10 \$1 00 \$5 00			
Juanita. 4 ft. Flowers rich chrome-yellow; a lovely and unusual-colored <i>Canna</i> . 20 2 00 14 00			
King Humbert. 4 ft. Bears immense, brilliant orange-scarlet flowers, streaked with crimson, in gigantic trusses. A massive, sturdy grower, of stately habit. 10 1 00 6 00			
Minnehaha. 4 ft. Blossoms extra large; delicately colored flowers of dainty shades of gold and cream; foliage golden bronze. 15 1 50 10 00			
Wyoming. 7 ft. Immense umbels of massive orange flowers; bronze-purple foliage. A splendid bedder. 10 1 00 5 00			

PAEONIES

If wanted by mail, add 5 cts. each and 35 cts. per doz. for postage

Double Pæonies are too well known to require description. Their present popularity is due to the great improvement in them in recent years, their easy culture, the handsome appearance of the plant, and the brilliant and striking effect of their massive, finely formed and richly colored flowers. The attention given to them, in Europe and in America, has resulted in the production of many notably fine new varieties. Among hardy, herbaceous perennials, the Chinese Pæonies rank about first for lawn or flower-border, or shrubbery decoration.

Our assortment includes some of the best and most distinct sorts, new and old. *There are many kinds, including varieties showing but trifling variations, which we omit.*

HERBACEOUS CHINESE PAEONIES

(<i>Paeonia chinensis</i>)	Each	Doz.
Alba plena. Pure white; fragrant. \$0 35 \$3 50		
Beaute Francaise. Rose and carmine. 40 4 00		
Boule de Neige. Sulphury white, center leaves with rosy borders. 50 5 00		
Canary. Sulphury white. 60 6 00		
Charlemagne. Creamy white, center lilac and chamois. 40 4 00		
Comte de Niepperg. Bright carmine; early. 50 5 00		
Cytherie. (Calot.) Flesh-color, nearly white, carmine-spotted. 40 4 00		
Duke of Wellington. Sulphury white. 50 5 00		
Eduis superba. Bright rosy pink. 50 5 00		
Faust. Light rose. 50 5 00		
Festiva. White, with carmine spots. 40 4 00		
Festiva maxima. White; very fine. 50 5 00		
Humei carnea. Rose passing to white. 40 4 00		
Jeanne d'Arc. Rose, sulphur and rosy white center. 40 4 00		
Jules Calot. Pink, center rose. 50 5 00		
Louis Van Houtte. Cherry-color, with purplish reflection. 50 5 00		
Magnifica. Tender rose, center creamy white. 50 5 00		
Marie Lemoine. Pure white; a very large and splendid flower. 50 5 00		
Meissonier. Purplish red. 50 5 00		
Monsieur Krelage. Wine-color. 60 6 00		
Queen's Perfection. White, yellow center. 50 5 00		
Queen Victoria. Rose; dark rose center. 40 4 00		
Rubra triumphans. Carmine. 40 4 00		
Triomphe de l'Exposition de Lille. Light rosy; fine-shaped flower; early. 50 5 00		
Zoe Calot. Brilliant rose with lilac. 40 4 00		
Double Mixed, White. 20 2 00		
" " Crimson. 20 2 00		
" " Rose. 15 1 50		
" " Pink. 20 2 00		
" " Carmine. 15 1 50		

JAPANESE TREE PAEONIES, continued

Madame Stuart Low. Reddish salmon, white center.
Triomphe de Gand. Bright rosy with white border; large flower; early.

PAEONIA OFFICINALIS

	Each	Doz.
Anemonæffora. Crimson; single anemone-flower shape. \$0 50 \$5 00		
Atro-rubra plena. Dark red. 20 2 00		
Mutabilis plena. Tender rose, passing to white; double. 30 3 00		
Rosea plena. Pink. 40 4 00		
Splendens. Dark red; half double. 50 5 00		
Tenuifolia, Single-flowering. Rich crimson; narrow-leaved, feathery foliage. 30 3 00		
PÆONY MANUAL. Paper cover, 64 pages, illustrated, 25 cts. per copy, postpaid		



PÆONY, FESTIVA MAXIMA

JAPANESE TREE PAEONIES

(*Paeonia arborea*)

These are very beautiful and free-flowering, and bloom two or three weeks earlier than the herbaceous sorts. We are importing an assortment of the following fine named varieties. \$1.50 each.

Belle d'Orleans. Rosy carmine.
Blanche de Chateau Futu. Pure white.
Comtesse de Tudor. Tender rosy white; very double.
Elisabeth. Brilliant pink; one of the largest flowers.

LILIES

Add 25 cts. per dozen for postage, if wanted by mail

Lilies are easily grown and require little care. They do best in a light, well-drained soil. Some peat or leaf-mold may be used to advantage. They also prefer partial shade, and the taller sorts must have protection from high winds. *L. auratum* cannot bear manure, but thrives in ordinary light soil.

LILIUM LONGIFLORUM

(White Trumpet Lily)

This is among the most beautiful and valuable of garden Lilies. It grows from 1 to 4 feet high, and bears many trumpet-shaped, sweetly-scented, waxy white flowers. A well-drained, light loam enriched with leaf-mold suits it best.

	Each	Doz.	100
6 to 8 in. circum.....	\$0 05	\$0 50	\$3 50
7 to 9 in. circum.....	10	1 00	7 00
9 to 10 in. circum.....	20	2 00	14 00

Formosum. Very large, white flowers. Grows 2½ to 4 ft. high.

7 to 9 in. circum.....	15	1 50	10 00
9 to 10 in. circum.....	30	3 00	20 00

Multiflorum. 6 to 8 in. circum.

7 to 9 in. circum.....	05	50	3 50
7 to 9 in. circum.....	10	1 00	7 00
8 to 10 in. circum.....	15	1 50	10 00

Multiflorum giganteum.

6 to 8 in. circum.....	10	1 00	7 00
7 to 9 in. circum.....	15	1 50	10 00
9 to 10 in. circum.....	25	2 50	18 00

BEAUTIFUL JAPAN LILIES

We import our supply direct from Japan every year. Every garden should have some of them.

Auratum (Gold-banded Lily). Each Doz. 100

The grandest of all hardy Lilies; 3 to 6 feet high; flowers white, spotted maroon, having a bright yellow band through the center of each petal.

8 to 9 in. circum.....	\$0 10	\$1 00	\$7 00
9 to 11 in. circum.....	20	2 25	15 00
11 to 13 in. circum.....	30	3 00	20 00

Auratum pictum. Flowers beautifully spotted crimson...

25 2 50

Auratum rubro-vittatum.

Enormous flowers, sometimes measuring 10 inches across; white, beautifully, spotted, with a deep crimson stripe through each petal; very fragrant.....

50 5 00

BEAUTIFUL JAPAN LILIES, continued

Speciosum album Krætzneri. Each Doz. 100			
Pure white, large flowers; 2 to 4 feet high; one of the handsomest and easiest grown. 7 to 9 in. circum....	\$0 20	\$2 00	\$13 00
9 to 11 in. circum.....	30	3 00	20 00
Speciosum rubrum. White, shaded rose, and spotted red.			
7 to 9 in. circum.....	20	2 00	13 00
9 to 11 in. circum.....	35	3 50	23 00
11 to 13 in. circum.....	40	4 00	28 00
Speciosum rubrum Melpomene. Dark crimson-spotted flowers of large size; 2 to 4 feet high, and blooms profusely. 8 to 9 in. circum....	20	2 00	13 00
9 to 11 in. circum.....	35	3 50	23 00
11 to 13 in. circum.....	40	4 00	28 00
Batemannii. Unspotted, bright apricot flowers; beautiful variety. 3 to 4 ft. high.....	20	2 00	
Krameri. White, slightly tinged with red; sweet-scented.....	25	2 50	
Leichtlinii. Orange-red, with crimson spots; 2 to 3 ft. high.	30	3 00	

VARIOUS LILIES

Bloomerianum. Orange, spotted dark maroon, spots circled with crimson....	\$0 30	\$3 00	
Bolanderi. Bell-shaped, deep crimson flowers, dotted with purple. Grows 1 to 3 feet high. Rare.....	50	5 00	
Brownii. Flowers of immense size; inside creamy white, outside shaded chocolate-purple; a splendid pot-plant; 2½ to 3½ feet high.....	40	4 00	
Canadense (Meadow Lily). Drooping, yellow flowers, spotted red; 1½ to 3 ft.	15	1 50	
Canadense rubrum. Red flowers.....	15	1 50	
Candidum (Madonna Lily, or St. Joseph's Lily). Large, pure white, very sweet-scented flowers; valuable for forcing; 2 to 3 feet high... per 100, \$9...	15	1 50	
Colchicum (<i>Monadelphum</i>). Citron, black spots; a splendid Lily; 2 feet high.	40	4 00	
Columbianum (Oregon Lily). Orange flowers, dotted maroon; fragrant.....	40	4 00	
Croceum. Orange, with purple spots; upright flowers.....	20	2 00	
Elegans bicolor. Bright red-flushed....	20	2 00	
Scarlet	20	2 00	
Horsmanei. Dark red, with black spots.....	20	2 00	
Leonard Joerg. Rich apricot-spotted.....	20	2 00	
Excelsum (<i>Testaceum</i>). Lovely cream-colored flowers, tinged with apricot; very fragrant; 5 ft. high.....	40	4 00	
Giganteum. Grows 6 to 10 feet high, bearing many large, funnel-shaped flowers 5 to 6 inches long; white, with purple throat. Extra-large bulbs ...	2 50		
Henryi (Orange-yellow <i>Speciosum</i>). Very tall-growing variety; deep orange-yellow flowers, in great profusion when the plants are well established.....	60	6 00	
Kelloggii. Slender stems with from 3 to 15 flowers with pink revolute petals; fragrant; 3 to 4 feet.....	40	4 00	
Magnificum (<i>Humboldtii</i>). Bright orange-red, marked with dark spots...	50	5 00	
Maritimum. Dark red, funnel-shaped flowers; beautiful.....	50	5 00	
Martagon. Purple; 2 to 3 feet.....	20	2 00	
Parryi. Large, handsome, pale yellow flowers; very rare.....	75	7 50	



LILIUM AURATUM

VARIOUS LILIES, continued

	Each	Doz.		Each	Doz.
Parviflorum. Small flowers; bright orange, spotted with purplish dots. . . .	\$0 40	\$4 00	Tigrinum fl. pl. (Double Tiger Lily). Each	15	\$1 50
Parvum. Orange-yellow, spotted purple.	50	5 00	Orange-red, black spots, per 100, \$10. .	\$0 15	\$1 50
luteum. Clear yellow flowers.	30	3 00	Umbellatum erectum. Red and orange.	10	1 00
Philadelphicum. Bright orange-red, with black spots; 2 feet high.	10	1 00	grandiflorum. Orange.	10	1 00
Rœzlii. Brilliant orange-red flowers, spotted dark purple; petals reflexed. . .	40	4 00	Mixed. per 100, \$7. .	10	1 00
Superbum (Turk's Cap Lily). Orange-red, spotted; 4 feet. . . . per 100, \$10. .	15	1 50	Wallacei. Orange-red, maroon spots; late.	15	1 50
Tenuifolium (Siberian Coral Lily). Rich scarlet; 1½ ft.	15	1 50	Washingtonianum. Stately habit; large, trumpet-shaped flowers, pure white, tinged purple; fragrant; 4 to 7 ft.	30	3 00
Thompsonianum. Rose.	25	2 50			
Thunbergianum biligulatum.	15	1 50			
Kikak. Apricot-yellow, spotted black.	15	1 50			
Prince of Orange.					
Orange-yellow; 1 ft..	15	1 50			
Van Houttei	30	3 00			
Tigrinum splendens (Tiger Lily). Rich scarlet, black spots. . . . per 100, \$7. .	10	1 00			

LILY-OF-THE-VALLEY

Transportation not included in prices

Clumps. Fine, large clumps, with many flowering pipes on each. Fine for planting outside in shaded positions and for naturalizing by the side of streams or wood walks. 25 cts. each, \$2.50 per doz., \$18 per 100.

Pips for Forcing. 60 cts. per bundle of 25, \$2.25 per 100, \$20 per 1,000.

Berlin and Hamburg Cold-Storage Pips. From cold storage; the very highest quality. Price on application.

JAPAN IRIS (*Iris Kaempferi*)

Transportation charges on Iris extra

MIXED JAPAN IRIS FROM A SUPERB COLLECTION

A splendid assortment of extra-size clumps. Home-grown stock. 15 cts. each, \$1.50 per doz., \$11 per 100.

SUPERB COLLECTION OF LARGE-FLOWERED SORTS

We are importing from Japan a large supply of the following twenty of the best of these magnificent Irises, which are remarkable for the beauty of their colorings and stateliness of habit. Some of them send up ten to twelve spikes, 3 feet high, each bearing two to four enormous blossoms, 8 to 10 inches across. They are most valuable for cut-flowers and table decoration—as handsome as orchids. Supply water liberally when growing. Cut in the early morning or after sunset. *The descriptions given are those furnished us by the growers in Japan.*

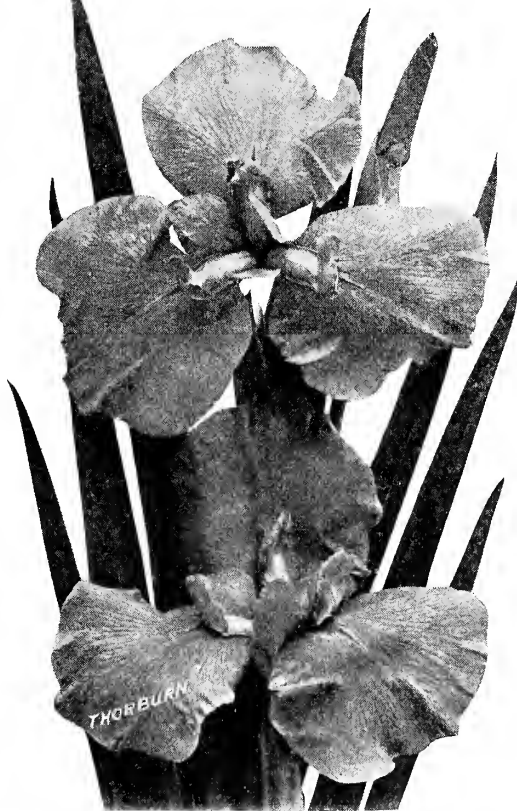
25 cts. each, \$2.50 per doz., \$18 per 100. The following may be ordered by number

- 13 **Boteki-no-Koe.** Pure white, heavily veined lavender, with pale primrose blotches; standards wine-color, lighter toward edges, stigmas lavender. Three large petals. Striking.
- 26 **Date-dogu.** Rich claret-red, yellow blotches. Three petals.
- 89 **Fuyoho.** Large; pure white, yellow blotches. Three petals.
- 31 **Gei-Sho-Ui.** Claret-red, veined white; standards shaded lavender, darker toward the edges, yellow blotches.
- 4 **Ho-o-jo (Ho-o-castle).** Ruby-crimson, primrose blotches; standards white and lavender.
- 37 **Katsuraotoko.** White, veined lavender; standards white, suffused with lavender, darker toward the edges. Six petals.
- 15 **Momiji-no-Taki.** Ruby-red, yellow blotches; standards white, spotted toward edges pale wine-color. Six petals.
- 30 **Noboro-Ryu.** Intense Tyrian blue, with yellow blotches; standards white, edged violet.
- 9 **Ran.** Royal purple, edged lavender, with large primrose blotches; standards wine-red, white at base. Six large petals.
- 34 **Sassa-no-Koe.** White, veined wine-red and blotched yellow; standards lavender, running to purple at edges. Three petals.
- 20 **Senjo-To.** Light wine-color, spotted and shaded to dark red toward the edges of the petals, suffused with white, yellow blotches; standards shading to purple.
- 40 **Shiguremoniji.** Blush-pink, darker toward edges, splashed wine-red; stigmas lavender, primrose blotches. Three petals.
- 21 **Shikainami.** Light blue, shading to dark blue edges, white-veined, yellow blotches; standards shaded lavender, with dark edges. Particular y handsome. Six petals.
- 6 **Shippo (Cloisonné).** Rich Tyrian blue, edged purple and veined white, yellow blotches; standards white and wine-color.
- 14 **Shiraga.** Deep purple, heavily veined white; standards lavender, darker toward edges, yellow blotches. Six large petals.
- 17 **Suibijin.** Claret-red, darker toward edges; standards white, veined and edged wine-color; stigmas wine-color. Three petals.
- 44 **Ujigawa.** Rich, vinous purple; standards blush-pink; stigmas lavender, canary-yellow blotches. Three immense petals.
- 50 **Ushio-no-Iro.** Violet, veined white; standards white, edged sky-blue, yellow blotches. Seven or eight petals.
- 7 **Yamato-Nishiki.** Pale lavender, running to purple on outside of petals, blotched and flaked dark purple, large primrose blotches. Immense flower. Three petals.
- 8 **Yodokuruma.** Pale wine-color, veined darker, large, orange blotches; standards very erect. Gigantic blooms. Three petals.

GERMAN IRIS (*Iris Germanica*)

Will thrive in almost any good garden soil, except one that is wet.

Fine Mixed. 75 cts. per doz., \$5 per 100.



JAPAN IRIS

AMARYLLIS

The Amaryllis produces, under the simplest conditions, one to three spikes 2 or more feet high, crowned with from two to six large and beautiful, trumpet-shaped blooms lasting long in good condition. They should be planted as soon as received, in pots an inch or so larger than the diameter of the bulb.

The most suitable soil is good loam, with one-fourth part of leaf-mold or pulverized manure, and some sand. Good drainage is very important. The growing season is from early spring until September. Manure-water during this time is essential.

	Each	Doz.		Each	Doz.
Belladonna major. Violet and white; in large umbels; fragrant....	\$0 25	\$2 50	Johnsoni (Spice Lily). Large flower; crimson, striped white. Large bulbs....	\$0 50	\$5 00
" speciosa purpurea	50	5 00	Josephine (Gigantea) . fFine scarlet; in immense umbels. Extra-sized bulbs. 4 00		
Hippeastrum, Mixed Hybrids	50	5 00			

ANEMONE, or WINDFLOWER

Very ornamental hardy perennials, producing beautifully colored flowers in spring and summer. They do best in rich soil and in a sheltered and well-drained position.

CORONARIA OR POPPY-FLOWERED ANEMONE

	Doz.	100		Doz.	100
Caen, Mixed (Giant French or Poppy-flowered Anemone). Finest colors.....	\$0 20	\$1 50	Scarlet, Single, Mixed	\$0 20	\$1 50
Blue, Incomparable. Double.....	50	3 50	White, Ceres. Double; tinted rose.....	50	3 50
" Double, Mixed	50	3 50	" The Bride. Single; pure white.....	20	1 50
" Single, Mixed	30	2 00	Rose, Rosette. Double; rose; extra large..	50	3 50
Scarlet, Feu Superbe. Bright scarlet; double.....	50	3 50	" Rose de Nice. Double.....	50	3 50
" Double, Mixed	50	3 50	Double. Mixed colors.....	50	3 50
			Single. Mixed colors.....	20	1 50

ANEMONE SPECIES

	Each	Doz.	100
Apennina, Blue. Early. Charming, clear blue, star-shaped flowers; fine for naturalizing...	\$0 50	\$3 50	
" White		40	3 00
Japonica alba. Large, pure white; invaluable for cutting.....	\$0 10	1 00	7 00
" Queen Charlotte. Semi-double; pink.....	15	1 50	10 00
" rosea. Large; rosy carmine.....	10	1 00	7 00
" Whirlwind. Large, semi-double, pure white. Splendid for cut-flowers.....	10	1 00	7 00
Sylvestris (Snowdrop Windflower). Beautiful pure white.....	10	1 00	7 00

BEGONIAS, TUBEROUS-ROOTED

Six of a kind at dozen rate, 25 of a kind at 100 rate

Splendid pot-plants for the house or for bedding. For bedding they should be started in hotbed in March and April. The hollow end of the bulb should be uppermost and but slightly covered. Water sparingly until the plants are growing.

	Each	Doz.	100		Each	Doz.	100
Single, Scarlet	\$0 10	\$1 00	\$6 00	Double, White	\$0 15	\$1 50	\$10 00
" Rose	10	1 00	6 00	" Yellow	15	1 50	10 00
" White	10	1 00	6 00	" Rose	15	1 50	10 00
" Yellow	10	1 00	6 00	" Crimson	15	1 50	10 00

BEGONIA CRISPA (Single Fringed Begonias). These comparatively new Begonias have beautifully shaped, gracefully frilled and crested flowers, borne above the foliage on long and erect stems. An exceedingly fine strain. **RED, ROSE, WHITE, YELLOW, SALMON** and **ORANGE**. 75 cts. per doz., \$6 per 100.

CRINUMS

The most suitable soil is a compost of turfy loam, cow-manure and sand. They should be grown in large pots or tubs, about three-fourths of the bulb being out of the soil. In late fall, remove to a coolhouse and allow to rest till new leaves begin to appear in February. If placed outside when warm weather begins, they will flower through the summer, making splendid lawn or veranda plants.

Amabile, Giant Pink. Extra large; bright pink, with white stripe; splendid flower. Enormous bulb.....	\$2 00		Kirki. Large umbels of beautiful pure white flowers, with purple stripe in center of each petal; very fine.....	\$0 75
Asiaticum. Pure white. Large bulbs.....	75		Powell. Produces long stems, bearing at the top five to eight large, dark rose, bell-shaped flowers, 3 to 4 inches long, of great beauty in form and color.....	25
Giganteum, Giant White. Immense bulbs. Large, white flowers; blooms all summer; very fragrant; should be watered plentifully while growing.....	2 00		Powell album. Pure white; very beautiful sort.	35

GLOXINIAS

Beautiful greenhouse plants, remarkable for the intensity and variety of their colorings, and the exquisite manner in which they are often blotched, mottled, penciled and blended. They thrive best in a soil composed of leaf-mold and peat, in equal parts, with a little sand added. When growing give plenty of water, but it should always be tepid.

	Each	Doz.	100		Each	Doz.	100
Crassifolia erecta, Red	\$0 15	\$1 50	\$10 00	Crassifolia erecta, Blue	\$0 15	\$1 50	\$10 00
" Spotted	15	1 50	10 00	" Mixed		1 25	8 00
" White	15	1 50	10 00				

MONTBRETIAS

Treat same as Gladioli

Summer-flowering, bulbous plants that are becoming more popular every year. They should be planted in groups. Ordinary garden soil and a sunny position suit them.

Crocsmæflora aurantiaca. Deep golden yellow; fine spike.....	Doz.	100	
	\$o	30	\$2 25
" Bouquet Parfait. Large, bright vermillion flowers, with deep yellow centers.	30	2	25
" California. Beautiful deep golden yellow.....	30	2	25
" Etoile de Feu. Bright vermillion, with deep yellow center; large flowers.	40	3	00
" Fire King. Extra-glowing scarlet-red.....	40	3	00

Crocsmæflora, Golden Sheaf. Bright yellow.....	Doz.	100	
	\$o	30	\$2 25
" Soleil Couchant (Sunset). Golden yellow.....	30	2	25
" speciosa. Copper, with yellow disc in the center.	30	2	25
" Sunbeam (Rayon d'Or). Rich yellow, spotted brown; large flowers....	30	2	25
Pottsii. Orange and scarlet; very free-flowering.....	30	2	25
Rosea. Bright salmon-rose; distinct.....	40	3	00

TIGRIDIAS (Ready in March)

Add 5 cts. per doz. for postage

These very handsome summer-flowering bulbs should be planted in the spring. They will flower profusely all summer. The plants grow about 2 feet high, with large and finely colored flowers.

Pavonia alba immaculata. Pure white, unspotted.....	Doz.	100	
	\$o	50	\$3 50
" canariensis. Very handsome; light yellow, with brown spots.....	50	3	50
" conchiflora. Bright yellow.....	60	4	00
" lutea immaculata. Pure yellow; handsome and striking.....	60	4	00
" Red. Distinct from <i>Pavonia speciosa</i> ...	50	3	50
" speciosa. Scarlet.....	50	3	50

HARDY PHLOX

(Decussata)

A flower of more than usual beauty that will succeed in almost any kind of soil or climate. May be planted in the spring or fall.

Boule de Feu. Dark carmine; extra fine.....	Each	Doz.	
	\$o	15	\$1 50
Coquelicot. Bright, fiery red, with a center of beautiful rose.....	15	1	50
Eclaircur. Beautiful rose-color, with a band a shade lighter running around the eye.....	15	1	50
Flambeau. Brilliant red, with eye of still darker color.....	15	1	50
Jeanne d'Arc. Pure white.....	15	1	50
Pantheon. A delightful salmon-rose, with a pale border running around the eye.....	15	1	50
Pecheur d'Island. Fiery red with white center...	15	1	50
Suffruticosa, Snowdown. Everblooming; beautiful white form; dwarf-growing.....	15	1	50

Each sort, \$10 per 100



TIGRIDIA PAVONIA CONCHIFLORA

MISCELLANEOUS BULBS AND ROOTS

ACHIMENES, Mixed. Lovely greenhouse pot-plants.....	Each	Doz.	100	
	\$o	60	\$4 00	
ALSTRÆMERIA aurea (aurantiaca). Orange-yellow, spotted black.....	\$o	10	1 00	
" brasilensis. Deep red with black spots.....	10	1	00	
AMORPHOPHALLUS Rivieri. A species of Arum with ornamental leaves; flowers without soil or water.....	1 00	10	00	
ANOMATHECA cruenta. Crimson flowers; dwarf habit; fine for window-garden.....	20	1	25	
ANTHERICUM liliago.	10	1	00	
" liliastrum major.	10	1	00	
" ramosum.	10	1	00	

ANTHOLYZA, Mixed. Like Gladioli. Take up in fall.....	Each	Doz.	100	
	\$o	10	\$1 00	\$7 00
APIOS tuberosa. Hardy climber, with clusters of fragrant purple flowers.....	10	1	00	7 00
ARUM Dracunculus.	15	1	50	
" cornutum (Red Calla).....	15	1	50	
" crinitum.	30	3	00	
" italicum (Dragon Flower). Creamy white.....	10	1	00	
" maculatum.	10	1	00	
" palæstinum sanctum (Black Calla).....	25	2	50	
ASPHODELUS ramosus (King's Spear). White.....	50	5	00	
BABIANA, Mixed. For pots.....	50	3	00	

MISCELLANEOUS BULBS AND ROOTS, continued

	Each	Doz.	100		Each	Doz.	100
BRODIAEA. See our Bulb Catalogue for various sorts.				INCARVILLEA Delavayi. Large; rosy purple; splendid hardy perennial, with handsome foliage.	\$0 10	\$1 00	\$7 00
CALADIMUM esculentum.				MADEIRA VINE. Roots.....	50	3	50
7 to 9 inches in circum.....	\$1 00	\$6 00		MILLA biflora. Star-shaped flowers; delightfully fragrant; a waxy white.....	30	2	00
9 to 11 inches in circum.....	1 50	9 00		ENOTHERA ovata (Evening Primrose). A beautiful Primrose, having circles of leaves flat on the ground and a great number of bright yellow flowers.....	20	2	00
11 to 12 inches in circum.....	2 50	16 00		ORNITHOGALUM arabicum. White, with black center.....	50	3	50
12 in. in circum. and upwards.	3 50	24 00		umbellatum (Star of Bethlehem). Outside green and white, inside satiny white.....	30	2	00
CALLA aethiopica (White Calla, or Lily-of-the-Nile). Large, white, trumpet-shaped flowers.				OXALIS. See our Bulb Catalogue for full list.			
1st size.....	\$0 20	2 00	14 00	PANCRATIUM calathinum (Basket Flower).....	10	1	00
2nd size.....	15	1 50	10 00	maritimum (Sea Daffodil).....	10	1	00
Elliottiana, Yellow; Spotted				undulatum. White.....	10	1	00
Leaf. Dark green leaves, spotted silvery white.....	35	3	50	RANUNCULUS. Soak in water two days before planting.			
Little Gem. Very neat, dwarf habit; excellent pot-plant.....	20	2	00	French Mixed	20	1	50
CALOCHORTUS (Mariposa Lily). See our Bulb Catalogue for full list.....				Persian Mixed	20	1	50
CAMASSIA Cusickii. Very large leaves and lovely, pale sky-blue flowers, produced in racemes 2 to 3 feet long.....	20	2	00	Turban Mixed	20	1	50
esculenta. Pretty violet-blue flowers. Fine for cutting.....	35	2	00	SCHIZOSTYLIS coccinea. Scarlet, gladiolus-like flowers.....	50	3	50
Leichtlinii. Purple.....	15	1	50	SPIRÆA Astilbe Arendsi, Ceres. Bright rosy lilac.....	30	3	00
CINNAMON VINE. First-size roots.	10	1	00	Astilbe Naarden. Large pink flowers. Early bloomer; fine forcer.....	60	6	00
CLEMATIS coccinea. A hardy herbaceous perennial climber; flowers rich scarlet.....	15	1	50	astilboides floribunda. Very large, pure white plumes. Neat habit; abundant bloomer.....	15	1	50
COOPERIA Drummondii (Evening Star). White.....	50	3	50	hybrida, W. E. Gladstone. Snow-white plumes, long stems; fragrant. Fine forcer.....	20	2	00
pedunculata. Beautiful, white, fragrant flowers.....	50	3	50	hybrida, Queen Alexandra, Pink. A pink variety, in habit similar to Gladstone but flowering three weeks later. Beautiful.....	25	2	50
CROCOSMIA aurea (Tritonia). Beautiful; half-hardy; orange flowers.....	15	1	50	hybrida, Washington. Extra-large flowers; fine forcer.....	20	2	00
DARLINGTONIA (Pitcher Plant).....	50	5	00	japonica. Pure white flowers.....	10	1	00
DICENTRA spectabilis (Bleeding Heart). Hardy perennial; also forcer.....	20	2	00	japonica compacta multiflora. Neat and compact. Pure white flowers.....	20	2	00
DODECATHEON Clevelandii. White, tinted pink.....	15	1	50	palmata. Crimson; strong clumps.	20	2	00
Hendersonii. Rose-purple.....	15	1	50	TRICYRTIS hirta. Beautiful; fall-flowering; hardy.....	10	1	00
patulum. Yellow.....	25	2	50	TRILLIUM. See our Bulb Catalogue.			
Soft rose.....	25	2	50	TRITOMA Pfitzeri. Large spikes of intense flame-colored flowers. Plant in spring.....	10	1	00
EREMURUS himalaicus. White.....	1 00			MacOwani. Dwarf variety; bright orange-red.....	10	1	00
robustus. Rose.....	1 00			uvaria grandiflora (Red-Hot-Poker Plant). Half-hardy.....	15	1	50
Hybrids	50			TROPEOLUM tricolor (Jarrattii). Fine greenhouse climber; for pots.	15	1	50
ERYTHRONIUM. See our Bulb Catalogue.				speciosum. Brilliant scarlet.....	10	1	00
EUCHARIS amazonica. Fine, white-flowered greenhouse plant. Magnificent.....	50	5	00	pentaphyllum	10	1	00
FUNKIA marginata. Green foliage, margined white.....	15	1	50	TUBEROSES, Dwarf Double Pearl. Albino. Pure white; single.....	35	2	50
GERANIUM sanguineum. Hardy perennial. Crimson-purple flowers.....	10	1	00	Variegated Leaf.	50	3	50
HÆMANTHUS albifolia. White.....	75			Add 10 cts. per doz. for postage			
coccineus. Scarlet.....	2 00			WATSONIA Ardernei (O'Brieni). Large, beautiful, snow-white gladiolus-like blooms over 3 inches in diameter. Fine forcer or for planting outdoors in spring.....	15	1	50
puniceus. Orange-red.....	1 50			ZEPHYRANTHUS alba. White.....	10	1	00
HELLEBORUS niger major (Christmas Rose). Hardy; valuable forcer.....	50	5	00	Atamasco. Pure white.....	15	1	50
HEMEROCALLIS, Apricot. Distinct, rich apricot.....	10	1	00	candida. White, greenish base.....	10	1	00
flava. Clear yellow.....	10	1	00	rosea. Pink.....	15	1	50
fulva. Coppery orange, shaded crimson.....	15	1	50	Texana	10	1	00
Kwanso fl. pl. Coppery orange; double.....	15	1	50				
Sieboldi. An exceedingly handsome reddish orange.....	10	1	00				
HYACINTHUS candicans	50	3	50				

Insecticides and Remedies for Plant Diseases

All subject to change in price. Transportation charges not included in prices.

ANT-DESTROYER. Will positively destroy ants.

¼-lb. tins.....\$0 15	1-lb. tins.....\$0 45
½-lb. tins.....25	5-lb. tins.....2 00

ANTIPEST. A sure destroyer of all insect pests.

Qt.....\$0 45	1 gal.....\$1 25
½gal.....65	5 gals.....6 00

APHINE. Has no equal for the destruction of green, black or white fly, thrips, red spider, mealy bug, etc. Use one part to forty of water. Does not injure the most tender plants.

¼pt.....\$0 25	Pt.....\$0 65
½pt.....40	Qt.....1 00
Gal.....2 50	

APHIS PUNK. For ridding greenhouses of the green fly, black fly, etc. Can of 12 sheets, 60 cts.

ARSENATE OF LEAD. Adheres well to foliage and does not readily wash off. It remains well suspended in solution, insuring even distribution. It is white and shows just where it has been applied. It does not injure tender foliage.

Lb.....\$0 20	5 lbs.....\$0 90
100 lbs.....12 00	

BORDEAUX MIXTURE, or FUNGIROID. For all fungous diseases.

Dry—	Per Lb.		Per Lb.
1-lb. can.....\$0 20		5 lbs. and over...	\$0 18
50 lbs. and over			12

Liquid—

Qt.....\$0 35	Gal.....\$1 00
5-gal. keg.....4 00	

BUG DEATH. This is a fungicide, insecticide and plant-food combined, and contains neither paris green nor arsenic.

1 lb.....\$0 15	5 lbs.....\$0 50
3 lbs.....35	12½ lbs.....1 00
100-lb. keg.....7 50	

COPPER SOLUTION, Ammoniated. Prevents black and brown rot, mildew and other grape diseases, pear and apple scab, leaf blight, tomato rot, potato blight, melon blight, etc. Dilute one part to 100 parts of water; spray lightly.

Qt.....\$0 60	Gal.....\$1 75
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CUTWORM FOOD. Kills the worms; simple and easy to use; specially prepared for bringing young plants through the critical period.

1-lb. pkg.....\$0 25	5-lb. pkg.....\$1 00
10-lb. pkg.....1 50	

CUTWORM PREVENTIVE. Of inestimable value. Cutworms will not infest soil mixed with this preparation.

5-lb. can.....\$0 50	10-lb. can.....\$0 90
300-lb. bbl. at 7 cts. per lb.	

DALMATIAN INSECT POWDER. Effective against almost all insects.

½-lb.....\$0 40	Lb.....\$0 75
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"ELECTRIC" WORM ERADICATOR. For killing all grubs, insects and worms that do their destructive work at the roots of plants and trees, and infest lawns, golf-courses, etc. For most pests, four ounces to each four gallons of water; for cutworms, four ounces to two gallons of water.

4-oz. bottle.....\$0 25	1 gal.....\$4 00
8-oz. bottle.....50	5 gals.....17 50
24-oz. bottle.....1 00	10 gals.....34 00

FIR-TREE OIL. Dilute one pint to twenty gallons of water. Apply with vaporizer or syringe.

½pt.....\$0 55	Qt.....\$1 75
Pt.....1 00	½gal.....3 00
Gal.....5 50	

FIR-TREE-OIL SOAP. Mix at the rate of one ounce to a gallon of water, and apply with a bellows or syringe.

¼-lb. tin.....\$0 25	2-lb. tin.....\$0 75
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FISH-OIL SOAP. (Formerly called Whale-Oil Soap.) For washing trees and destroying all insects on the bark.

1 lb.....\$0 15	10 lbs.....\$1 00
5 lbs.....65	100 lbs.....8 00

GRAPE DUST, Hammond's. For the prevention of mildew on roses, grapes, gooseberries, etc. Apply with bellows.

5 lbs.....\$0 40	10 lbs.....\$0 70
100 lbs.....6 00	

HELLEBORE. Apply dry or mix in water—one ounce to three gallons.

1 lb.....\$0 25	2 lbs.....\$0 45
10 lbs. and up at 20 cts. per lb.	

KEROSENE EMULSION. For cabbage worms, scale on trees, caterpillars, melon lice, rose bugs, etc. Dilute twenty-five to fifty parts.

Qt.....\$0 40	1 gal.....\$1 25
½gal.....70	5 gals.....5 00

KER-O-SOAP. A concentrated insecticide (in paste form) prepared for use on house and garden plants, trees, shrubs, etc. 14-oz. can 30 cts.

KILM WEED ERADICATOR. A patented tube containing a powerful weed-killer. Will exterminate dandelion from lawns. Easy to use. Each, \$1. Extra tubes of powder for re-charging, 50 cts. each.

LAWN COMPOUND, Sterlingworth. A non-poisonous powder to destroy plantain, dandelions, chickweed, and most other weeds having a broad, hairy surface, without killing the grass. Five pounds will dress 500 to 1,000 square feet, according to condition of the lawn.

5-lb. can.....\$0 60	50-lb. keg.....\$4 00
10-lb. can.....1 00	100-lb. keg.....7 50

LEMON OIL. For destroying scale, caterpillar, mealy bug, etc. Directions on can.

½pt.....\$0 25	Qt.....\$0 75
Pt.....40	Gal.....2 00

LIME-SULPHUR SOLUTION, California Wash. For San José scale. One gallon makes fifteen by adding water.

Qt.....\$0 40	5 gals.....\$3 00
Gal.....75	10 gals.....4 50

NICO-FUME LIQUID. For fumigating or spraying. Effective against green fly, mealy bug, etc. Does not stain or injure blooms, and leaves no disagreeable odor. For spraying, one to two teaspoonfuls to a gallon of water. Lamps, 60 cts. each.

¼lb.....\$0 60	4 lbs.....\$7 50
Lb.....2 00	8 lbs.....13 50

NICO-FUME TOBACCO PAPER. For fumigating. Does not injure blooms. In tins.

24 sheets.....\$0 85	144 sheets.....\$4 00
288 sheets.....7 50	

INSECTICIDES AND REMEDIES FOR PLANT DISEASES. *continued*

NICOTICIDE. For fumigating or spraying. Effective against green fly, mealy bug, etc. Does not damage foliage or flowers. Sold in cans as follows:

¼-pt. can, for 8,000 cubic feet of space....	\$0 70
½-pt. can, for 16,000 cubic feet of space....	1 25
1-pt. can, for 32,000 cubic feet of space....	2 50
1-qt. can,	4 50
½-gal. can.....	8 25
1-gal. can.....	15 00

PARIS GREEN. Mix at rate of one pound to two hundred gallons of water. Effective against all chewing insects.

¼-lb. can.....	\$0 12	½-lb. can.....	\$0 20
1-lb. can.....			35

READE'S EARTHWORM KILLER. For destroying earthworms on golf-greens, tennis-courts, lawns and bowling-greens. A safe, non-poisonous to animals, powder, which acts also as a fertilizer to the grass. Twenty-five pounds will cover 450 square feet.

25-lb. bag.....	\$2 00	50-lb. bag.....	\$3 75
100-lb. bag.....			6 00

SCALECIDE. For San José scale. Petroleum oil that mixes at once with cold water and stays mixed. No hot water necessary. Add one gallon for every fifteen to twenty gallons of water.

Qt.....	\$0 40	Gal.....	\$1 00
5 gals.....			3 50

SLUG-SHOT, Hammond's. Excellent for destroying cabbage, turnip and beet flies, potato bugs, currant worms, etc.

Lb.....	\$0 15	10 lbs.....	\$0 60
5 lbs.....	40	100 lbs.....	5 50

SULPHO-TOBACCO SOAP. Dissolve in proportion of two ounces to a gallon of water, and apply with a syringe or atomizer. It will destroy rose slugs, aphides, green fly, bark lice, etc.

3-oz. box.....	\$0 10	8-oz. box.....	\$0 20
10-lb. box.....			3 00

SULPHUR, POWDERED. Valuable for protecting against mildew on grapes, roses, etc.

Lb.....	\$0 10	10 lbs.....	\$0 60
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TOBACCO DUST—

Regular Kind. Highest grade for dusting.

Lb.....	\$0 10	10 lbs.....	\$0 60
5 lbs.....	35	100 lbs.....	3 50

Stoohoff's "Black Stuff." For dusting.

25 lbs.....	\$1 50	50 lbs.....	\$2 50
100 lbs.....			4 00

Stoohoff's "Fumigating Kind." For burning.

25 lbs.....	\$1 50	50 lbs.....	\$2 50
100 lbs.....			4 00

TOBACCO STEMS. For fumigating. In bales of about 100 lbs.

100 to 500 lbs. at \$1.50 per 100 lbs.

Over 500 lbs. at \$1.20 per 100 lbs.

TREE TANGLEFOOT. A sticky substance applied directly to the bark to protect trees against climbing insect pests. One application remains sticky, fully exposed to weather, three months. One pound will make a band 7 to 8 feet long and about 6 inches wide.

1-lb. tin.....	\$0 30	10-lb. tin.....	\$2 65
3-lb. tin.....	85	20-lb. tin.....	4 80

WEED-KILLER, Pino-Lyptol. This fluid absolutely destroys all the weeds and other growth wherever applied. Mix one part Pino-Lyptol with ten to fifteen parts water.

1 gal.	\$1 50	5 gals.....	\$6 00
10-gals.....			11 00

WEED-KILLER, Sterlingworth. A powerful powder for destroying vegetation of all sorts on gravel walks. Also excellent for destroying poison ivy...

1-lb. box.....	\$0 50	5-lb. box.....	\$2 00
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X-L-ALL LIQUID INSECTICIDE. An efficient preparation for spraying. Purely nicotine; harmless to very delicate plants; kills mealy bugs, red spider and all insect pests.

Pt.....	\$0 65	½gal.....	\$2 00
Qt.....	1 20	1 gal.....	3 75

High-Grade Fertilizers

ALL NET CASH—PRICES SUBJECT TO CHANGE

THORBURN'S COMPLETE MANURE

Guaranteed to contain ammonia, 3 per cent; available phosphoric acid, 8 per cent; actual potash, 3 per cent; sulphate of magnesia, soda, lime, sulphuric acid, etc. Adapted for use on all crops, such as Corn, Tomatoes, Peas, etc., and is especially suited for grain crops. Use 1,200 to 1,500 pounds to the acre.

In 167-lb. bags, per ton.....	\$40 00	Bag of 100 lbs.....	\$2 75
" " " " half-ton.....	21 00	50 lbs.....	1 65
" " " " quarter-ton.....	11 00	25 lbs.....	1 00
Single bag of 167 lbs.....	4 00	10 lbs.....	50

Thorburn's Lawn Fertilizer

Guaranteed to contain ammonia, 5 per cent; available phosphoric acid, all soluble, 8 per cent; actual potash, 3 per cent; lime, sulphate of magnesia, soda, sulphuric acid, etc. Specially prepared for lawns and meadows as a top-dressing. Apply broadcast at rate of 1,000 to 1,500 pounds to the acre.

In 167-lb. bags, per ton.....	\$45 00	Bag of 100 lbs.....	\$3 00
" " " " half-ton.....	24 00	50 lbs.....	1 75
" " " " quarter-ton.....	13 00	25 lbs.....	1 00
Single bag of 167 lbs.....	5 00	10 lbs.....	50

HIGH-GRADE FERTILIZERS, continued

Ideal Potato Manure

Guaranteed to contain ammonia, 4 per cent; available phosphoric acid, 10 per cent; actual potash, 3 per cent; sulphate of magnesia, soda, lime, sulphuric acid, etc. This manure is for special use on the potato crop, and is also adapted to Sweet Potatoes, Vines, Fruit Trees, etc. Use broadcast, about 1,500 lbs. to the acre.

In 167-lb. bags, per ton.....	\$42 00
“ “ “ “ half-ton.....	22 00
“ “ “ “ quarter-ton.....	12 00
Single bags of 167 lbs.....	4 50
Bag of 100 lbs.....	3 00
50 lbs.....	1 75
25 lbs.....	1 00
10 lbs.....	50

Agricultural Salt

For Asparagus beds, etc. In bags of about 200 lbs. Bag.....\$1 50 | Ton, about.....\$12 00
Not less than one bag sold.

Bonora

A fertilizer and plant-food combined.
2½-oz. pkg.....\$0 15
1-lb. pkg.....50
5-lb. pkg.....2 50

Bowker's Ammoniated Food for Flowers

Excellent for use on house plants, being entirely odorless.
Small package..\$0 15 | Large package.....\$0 25

Canada Hardwood Ashes

Highest grade unleached. For top-dressing lawns, especially if the soil is stiff or sour, one and one-half to two tons to the acre.
Bag of 100 lbs.....\$1 75 | ½ ton.....\$14 00
Ton.....26 00

Clay's Celebrated Fertilizer

One of the best manures for all horticultural purposes, either in greenhouse or garden. Splendid for mixing with potting soil and as a top-dressing. Notwithstanding its apparently high price, it is quite economical.

PRICES IN BAGS

⅓cwt. (14 lbs.).....	\$1 25
¼cwt. (28 lbs.).....	2 25
½cwt. (56 lbs.).....	4 00
1 cwt. (112 lbs.).....	7 00

Thompson's Vine Manure

Unrivalled for Vines, Tomatoes, Cucumbers, Fruit Trees and all foliage, flowering and fruit-bearing plants, also for vegetables and outdoor plants of every description. The result of many years' practical experience.
⅓cwt. (56 lbs.)...\$3 50 | Cwt. (112 lbs.)...\$6 75

Pulverized Sheep Manure
(Sheepshead Brand)

A rich, pure, natural manure. Excellent as a top-dressing for lawns. Its effect is immediate and lasting. There is nothing better for mixing with the soil for greenhouse plants—one part manure to six parts soil. It is recommended for the vegetable-garden, promoting a steady and rapid growth. It makes a rich and safe liquid manure—one pound to five gallons of water.

1-lb. pkg.....	\$0 10	100 lbs.....	\$2 00
5-lb. pkg.....	25	¼ ton.....	9 00
25 lbs.....	75	½ ton.....	16 00
50 lbs.....	1 25	Ton.....	30 00

Pulverized Limestone

A product that has an exceedingly wide sale among intelligent agriculturists, with the best of results. As a crop-producer we hardly believe it has an equal. It is made from the purest crystalline white limestone obtainable, and analyzes about 97 per cent carbonate.

Bag of 100 lbs.....	\$0 75	½ ton.....	\$7 00
Ton.....			12 00

Bone Fertilizers, etc.

Prices subject to change

Pure Ground Bone Meal. No. 1. Finely pulverized; excellent for rose-culture. It decomposes very rapidly, and is more quickly effective than the coarser grades. It is excellent for mixing with the soil for potting.

5 lbs.....	\$0 25	100 lbs.....	\$2 25
10 lbs.....	40	¼ ton.....	10 00
25 lbs.....	75	½ ton.....	18 00
50 lbs.....	1 25	Ton.....	34 00

Ground Bone, No. 2. Coarser than the above; for top-dressing for lawns, and for garden and field crops.

100 lbs.....	\$2 50	½ ton.....	\$21 00
¼ ton.....	11 00	Ton.....	40 00

Ground Bone, No. 3. A little coarser than No. 2.

100 lbs.....	\$2 75	½ ton.....	\$23 00
¼ ton.....	12 00	Ton.....	44 00

Pure Raw Bone Meal, Swift's. Contains 4½ per cent ammonia, 23 per cent phosphoric acid and over 3½ per cent nitrogen.

100 lbs.....	\$3 00	½ ton.....	\$23 50
¼ ton.....	12 50	Ton.....	45 00

Leaf-Mold. Indispensable for Azaleas, Rhododendrons, etc. Bbl. \$2.

Moss, Sphagnum. For filling Orchid baskets, etc., and for mixing with potting soil to conserve moisture. Bale of about 50 lbs. \$3.50.

Peat, Orchid. For potting Orchids, etc. Barrel of about 50 lbs. \$2.

Peat, Rotted. Fine for mixing with soil for potted plants such as Azaleas, Palms, etc. Barrel of about 140 lbs. \$2.

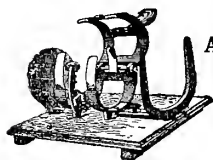
Other Fertilizers

Prices subject to change

ACID PHOSPHATE.....100-lb. bag \$1.50, 200-lb. bag \$2.50, ton \$20
TANKAGE (Blood and Bone Fertilizer).....100-lb. bag \$3, 200-lb. bag \$5.50, ton \$40
IMPORTED SCOTCH SOOT.....Bag of about 112 lbs. \$3.50
NITRATE OF SODA.....5-lb. pkg. 30 cts., 10-lb. pkg. 50 cts., 25 lbs. \$1.25, 50 lbs. \$2, 100 lbs. \$3.75
MURIATE OF POTASH. Price on application.
FARMOGERM. See page 61. Price of 5-acre bottle now \$6, instead of \$9 as on page 61.

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES

ALL NET CASH



ASPARAGUS BUNCHER,
Acme. The most popular make. \$2.

ASPARAGUS KNIVES.—



English. (Saw Blade.) \$1.25.



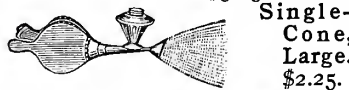
Granite State. 35 cts.

ATOMIZER.

Large, \$2.25.
Small, \$1.50.



BELLOWS, Woodason's Double-Cone Powder. \$3.25.



Small,
\$1.50.

JUMBO

POWDER

GUN.

It is

4 inches in

diameter,

holds 4 ozs.

of powder,

and

serves its purpose well.



25 cts.

BILL AND BRUSH HOOKS.

For heavy pruning.—

English. S-handle. \$2.75.

American. Long handle. \$1.

BORDER SHEARS. See p. 135.



CARNATION SUPPORTS. Made of light wire, galvanized.

2-Ring

Per doz.....\$0 60

Per 100.....4 50

Per 1,000.....40 00

3-Ring

Per doz.....75

Per 100.....5 00

Per 1,000.....45 00

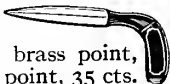
DIBBLES.—

All Iron. 35c.

Wood Handle, brass point,

60 cts. Iron point, 35 cts.

Fertilizing. For putting fertilizers at the very roots of different plants. Small size, 30 cts.; large size, 40 cts.



DANDELION PULLER,
Hall's. 50 cts. each.



EDGING KNIVES,

Grass, English. Each

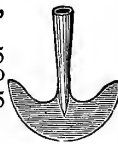
8-in.....\$1 75

9-in.....2 00

10-in.....2 25

Without handle.

Handles 15c. extra.



EXTENSION POLE GRIPS. 25c.

FLOWER-POTS. See page 137.

FORKS, Digging or Spading.

Best-quality, spear-point, diamond-back tines. Strapped

handle, Long or D. Each

4-tine.....\$1 25

5-tine.....1 50

Hay, or Stable. First-quality oval tines. Extra-long strapped handle.

2-tine.....75

3-tine.....85

4-tine.....1 00

Manure, Long- or Short-handled. Strapped

handle. 4-tine.....1 10

5-tine.....1 35

Extra-heavy diamond tines. 4-tine.....1 40

5-tine.....1 90

Ladies' Weeding, English.

Short trowel-handle.... 75

Boys' Spading. 4-tine.... 75

FRUIT-PICKERS, Handy Andy.

A simple device of two wire

jaws bound in the form of a

square cage with burlap. The

jaws open and close with a

spring on the end of the pole.

A cloth tube is affixed to the

pole, the end of which can be

held in a box or barrel or other

receptacle to catch the fruit,

as it runs down. \$1.50.

Perfect. Galvanized steel wire;

attaches to pole of any length.

Price, without pole, 40 cts.

Poles, for above, 15 cts. each.

FUMIGATING LAMP, "Defiance."

For all vaporizing

liquids. No glass. Burns

kerosene. 60 cts.

FUMIGATOR, "Eureka"

For fumigating with

tobacco stems. Very

best quality, heavy

galvanized tin. Each

No. 1 holds 1/2 pk...\$1 50

No. 2 holds 1 pk...2 00

No. 3 holds 1/2 bus. 2 50



FUMIGATOR, Lethorion.

Improved metal

vapor cone,

for fumigat-

ing in green-

houses; very

popular in

England.

The small

candle

(packed with

each cone)

has only to be

lighted and

placed on the



ground in center of cone-frame

for immediate results. No. 1,

for 100 to 600 cubic feet, 50c.

GARDEN LINES, Finest Braided.

100 feet, 50 cts.

GARDEN REELS. For garden

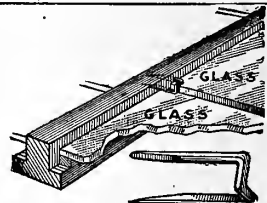
lines. Wrought-iron. Holds

100 ft., 60 cts.; larger size, \$1.

GARDEN TOOLS for Ladies. Set

of 3 pieces (spade, hoe and

rake), \$1.



GLAZING POINTS, The Tiger.

60 cts. per 1,000.

Pincers, for above. 55 cts.

GLASS CUTTER, "Red Devil."

Hand-honed wheels. Standard

of the world. 4 styles. 10, 15, 25

and 50c. ea. ~~10~~

GLOVES, Gardeners', Goatskin.

\$1.

GRAFTING WAX. The best grade.

1/4-lb. pkg.....\$0 10

1/2-lb. pkg.....15

1-lb. pkg.....25



GRASS HOOK, or Corn

Knife, Crescent. Adjust-

able. 35 cts.

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued

GRASS HOOKS, English Riveted Back. Thin, sharp blades, strengthened by a riveted back; light and rapidly handled. Each

Small size.....\$0 50
Medium size..... 55
Large size..... 60

With Trowel Shank. The handle is raised from the blade, making it possible to cut close without bruising the knuckles. 50 cts.

HOES, Garden.—

Draw, or Corn. 5-in. 45 cts., 6-in. 50 cts., 7-in. 60 cts.

English Scuffle. Finest-quality steel. Each

5-in.....\$0 55
6-in..... 60
7-in..... 65
8-in..... 70
9-in..... 75

Handles 20c. ea. extra.

English Triangular.

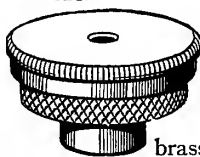
Made of fine steel. For drilling seeds. Hoe, 90 cts.; handle, 15 cts. extra.

"Baby" Warren. 40c. each.

Warren. Solid steel socket, used in drilling seed. 65c. 75c., and 85c. ea., with handle.

HOSE NOZZLE, "Bordeaux."

For ¼-in. pipe. 90 cts. each.
Graduating Spray Nozzle. Will throw coarse or fine spray, or solid stream. ¾-in., 50 cts. each.



Shower Spray Nozzle. A perfect spray nozzle made of

brass; non-corrosive—will not clog. Has both fine and coarse sprays. \$1.25 ea.

**Stott Spray Nozzle.**

Gives an exceptionally fine spray. Impossible for it to get out of order. Single Spray, for ¾-in. Each connection.....\$1 25
Double Spray..... 1 75

Boston Spray Nozzle. For ¾-in. hose. 75 cts.

Vermorel Nozzle. 85 cts.

HOSE BANDS, for couplings.

To fit ½-in. hose, 50c. per doz.
To fit ¾-in. hose, 60c. per doz.

To fit 1-in. hose, 80c. per doz.

HOSE MENDERS, Cooper's.

Brass; will not rust or wear. No fastening required. For hose with ½-in. bore, 6 cts. each, 70 cts. per doz.

For hose with ¾-in. bore, 7 cts. each, 75 cts. per doz.

For hose with 1-in. bore, 8 cts. each, 85 cts. per doz.

HOSE REELS, Tubular Iron.

Never break or wear out. No. 10 will hold 100 ft. of ¾-in. hose, \$3.50. No. 20 will hold 150 ft. of ¾-in. hose, \$4.50. No. 30 will hold 500 ft. of ¾-in. hose, \$5.

HOTBED SASH. Best quality.

Packing at cost.

Unglazed. 3 x 6 ft. for 10 x 12 glass. \$1.25 each, \$14 per doz.

Glazed and Painted. 3 x 6 ft., 10 x 12 glass. \$4 each, \$40 per doz.

Glazed and Painted. 3 x 6 ft., 10 x 12, extra-heavy glass. \$4.75 each, \$54 per doz.

HOTBED MATS for Covering Sashes

Made of jute, stitched through; hemmed with canvas and thickly padded; size, 76 inches by 76 inches; one mat covers two sashes.

No. 1. Both sides jute, \$1.75 each, \$19 per doz.

HOTBED MATS, continued

No. 2. One side jute, the other side waterproof duck. \$2.35 each, \$25 per doz.

No. 3. Both sides waterproof duck. \$2.75 each, \$30 per doz.

KNIVES, Saynor's Celebrated English. Best make.

No. 938 No. 196 No. 187 No. 312 No. 80
\$1.75 \$2.25 \$1.50 \$1.50 85c.



No. 400, \$1.50. No. 401, \$1.50

Saynor's No. 343. Budding. 2 blades. \$1.75.

Saynor's No. 403. Budding. Long-handled. \$1.75.

Wostenholm's Combined Pruner and Budder. \$1.25.

Pruner only, 80 cts.

H. & B. Budders, 2 blades. \$1.

LABELS, Wooden, Pot and Garden.—

	PLAIN		PAINTED	
	100	1,000	100	1,000
3½-in.	\$0 15	\$0 65	\$0 15	\$0 85
4-in.	15	70	15	90
4½-in.	15	80	20	100
5-in.	20	90	25	110
6-in.	25	100	30	135
8-in.	45	3 50	50	4 00
12-in.	75	6 00	85	7 00
24-in.	2 50			

Wooden, Notched Tree—

3½-in. cop. wire 20 1 20 25 1 50
3½-in. no wire. 10 70 15 90
6-in. no wire. 25 2 25 30 2 75

Tree, Waterproof Flexible.

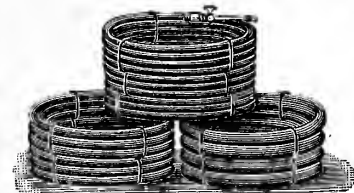
Copper-wired. In boxes of 100 only, \$1.50 per doz.



All-Proof Tree Labels. "Blenheim Orange." 3-in., complete with rings. Per doz., 50 cents.

MEHLER'S HANDY GARDEN TOOL.

One of the best tools for breaking the crust of the ground and weeding. \$1.

**HOSE, Rubber. ¾-in.**

Electric. In 25-ft. and 50-ft. lengths, 20 cts. per ft.

Thorburn Standard. 5-ply, 12c. per ft.

X. 6-ply, 14 cts. per ft.

XX. 7-ply, 16 cts. per ft.

XXX. Best red, 7-ply, 18c. per ft.

Our Hose is carefully selected, made of first-class material and coupled at both ends. In 25- or 50-ft. lengths.

HOSE END, No. 1. For connecting hose with ordinary faucets. 50 cts. each.

HOSE COUPLERS, Siamese.

With these several sprinklers can be used at the same time. ¾-inch, \$1.25 each.

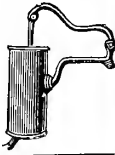
HOSE COUPLINGS—

Each
½-in.....\$0 20
¾-in..... 25
1-in..... 40

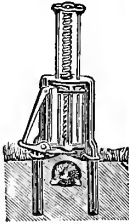
HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued

MASTICA GLAZING MACHINE. \$1.25.

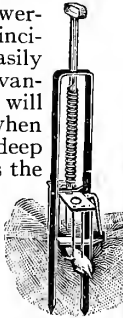
MASTICA. For use in the above machine. Qt. 40c., gal. \$1.35.



MOLE TRAPS, Olmsted's Improved. A short trap, suitable for lawns or coldframes. Made from good-quality steel. Practically indestructible. \$1.50 ea.



The Reddick. A powerful trap used principally on lawns. Easily set. Made of galvanized iron. It will catch moles when they are quite deep in the ground. As the points of the pin, are constantly in the ground, they cannot injure chickens or domestic animals. \$1 each, \$9.50 per doz.



Little Giant. A small trap made of galvanized iron. Will not get out of order; self-setting. 50 cts.



PENCILS. For writing garden labels.

Black. 5 cts. ea., 50 cts. per doz.
Wolf's Indelible. Imported from England. 15c. ea., \$1.50 per doz.

PLANT DUSTER, Norton's. \$1.

PLANT STAKES, Round, Painted Green.—

	Doz.	100
2 feet.....	\$0 40	\$2 25
3 feet.....	65	4 50
4 feet.....	1 00	7 00
5 feet, extra heavy	1 50	11 00
6 feet, extra heavy	1 75	12 00

Heavy, Square, Tapering, Painted Green.—

	Doz.	100
2 feet.....	\$0 30	\$2 00
3 feet.....	55	4 00
4 feet.....	85	6 00
5 feet.....	1 15	8 00
6 feet.....	1 35	10 00

Dahlia Poles, Painted Green, White Tops.—

	Doz.	100
2 feet.....	\$0 55	\$4 00
3 feet.....	85	6 50
4 feet.....	1 25	9 00
5 feet.....	1 50	11 00
6 feet.....	1 75	12 50

Plant Stakes, Galvanized Wire, for Roses, etc.—

	Doz.	100
2 feet.....	\$0 25	\$1 75
3 feet.....	35	2 00
4 feet.....	40	2 25
5 feet.....	45	2 75

Japanese Bamboo. Bundles of 100 only. 6 ft. \$1; 8 ft. \$1.25.

PRUNERS, Waters' Long-handled Tree. Each

	Each	Each
4 feet....	\$0 75	8 ft.... \$1 00
6 feet....	85	10 feet... 1 15
Extra Blades.....		25



PRUNING KNIFE, Orchard King. Will cut limbs up to 2 inches in diameter. \$3 each.



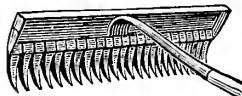
Kansas. Automatic, strong, durable and a good time-saver. Has compound leverage, which greatly increases the power. \$3 each.

PUTTY FOR GLAZING, Twemlow's Old English. Can be used with machine or bulb. \$2 per gal.; 5- and 10-gal. buckets at \$1.75 per gal.



RAFFIA, for tying. Per lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.

RAKES, English or Daisy. 16 teeth, \$3.



18 teeth,	\$3.25.
20 teeth,	\$3.50.
Each	

Hay Rake, 3-bow. Wood. \$0 35

The "Lawn" King Rake.

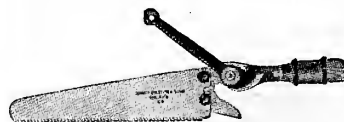
Wood. Teeth very close. Will not tear sod.

26-teeth size.....	45
38-teeth size.....	60

Steel Garden Rake.—

	Each	14-teeth..	60
10-teeth..	\$0 50	16-teeth..	65
12-teeth..	55	18-teeth..	70

Wire Lawn Rakes. Will not scratch the lawn. With handle..... 50



SAWS.

Little Giant Saw and Pruner Combined. The knife is operated with a cord, and is thrown back automatically with a spring.....\$1.75.



Saws, "One-Edge" Pruning. Narrow blade, gets among close branches; upper edge smooth, does not cut the upper limb.

	Each
16-in.....	\$0 70
18-in.....	80
20-in.....	90

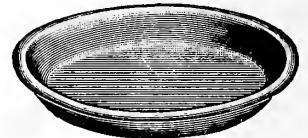


Adjustable-Blade Pruning. Can be adjusted and used at any angle; cuts cleanly and rapidly; light and strong. \$1.25.



Lightning Double-Edge Pruning.—

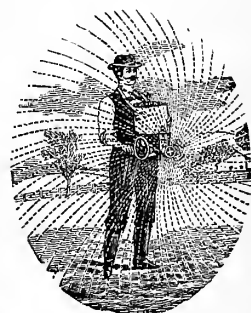
	Each
16-in.....	\$0 70
18-in.....	80
20-in.....	90



SAUCERS, Flower-Pot, Indurated Wood-Fiber. Light and durable. Not porous; will protect tables on which plants stand.

	Each	Doz.
6-inch.....	\$0 15	\$1 65
8-inch.....	18	1 90
10-inch.....	20	2 20
12-inch.....	24	2 60
14-inch.....	30	3 30

SEEDERS, Cahoon. With practically a minimum of labor, will sow all kinds of grass and grain seeds. Will throw heavy seeds 20 feet each side of operator. \$3.50 ea.



Little Giant.

A smooth-running, well-made machine. \$1.25.



HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued

SCYTHES.—

English Lawn, Riveted Back.
Light and thin, broad blades.
32-in., \$1.50; 36-in., \$1.75;
34-in., \$1.60; 38-in., \$1.85.

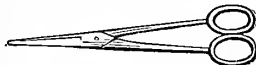
SCYTHE-SNATH, or Handle.
Patent Loop Heel. \$1.

SCYTHE STONES.—

Round Dressed Talacre. Each
Doz. \$2..\$0 20
Norton's Emery..... 15



SCISSORS, German Flower-gathering. Combined flower-cutter, holder and wire-cutter. Spring pattern.....\$1 00



Grape-Thinning, English.

6-in..... 90
7-in..... 1 25
8-in..... 1 50



English Flower-gathering.

Will cut and hold the flower. 6-in.....\$1 50
7-in..... 1 75
8-in..... 2 25

SHEARS, Pruning.



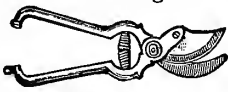
English Watch-Spring. \$1.50 ea.
Perfection Pruning.



Each
No. 1, 6½ inches.....\$1 75
No. 2, 7½ inches..... 2 00
No. 3, 8½ inches..... 2 50
No. 4, 9½ inches..... 3 00

Wiss Solid Steel Pruning.

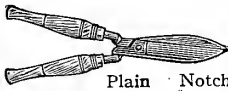
Best American Shear.



Detachable blades. Each
9-in.....\$2 25
10-in..... 2 50

English Hedge.

(Saynor.)



Plain Notch
8-in.....\$1 50 \$2 00
9-in..... 2 00 2 25
10-in..... 2 25 2 50

Ideal. (English.)

8-in..... 1 00 1 25
9-in..... 1 25 1 50
10-in..... 1 50 1 75

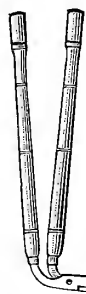
Wilkinson. (English.)

8-in..... 1 50 1 75
9-in..... 2 00 2 25
10-in..... 2 25 2 50

Lawn Shears.

Each
9-in.....\$2 75
10-in..... 3 00

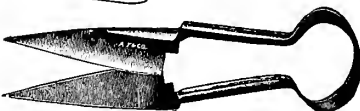
SHEARS, continued



Pruning, or Flower-gathering, Ladies'.
Nickel-plated, 75c. ea.

English Border. For trimming grass around edges of paths, etc. Blades made of very high-quality steel. Handles 3 feet long.

Each
8-in.....\$2 25
9-in..... 2 50
10-in..... 3 00



Grass, "Trowel-Shank." American, full-polished, excellent steel. Trowel-like handles keep your knuckles out of the dirt. 90 cts. each.



Thorburn's New Grass. This is the most practical Grass Shear manufactured. It can be taken apart to sharpen; best English steel. 7-in., \$1.25.



English Lopping. For lopping off limbs and branches of trees, not over 1¼ inches in diameter.

Each
No. 3.....\$3 00
No. 4..... 3 50

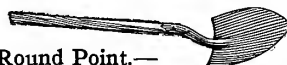


SHOVELS.—

Square Point.—

No. 2. Regulation long or D handle.....\$0 90

Ames No. 2. Long or D handle..... 1 25
Boys'. D handle..... 85



Round Point.—

No. 2. Long or D handle. 90
Ames No. 2. Long or D handle..... 1 25



SPADES.—

Square Point No. 2. Regulation long or D handle.....\$0 90

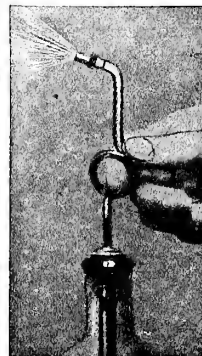
Ames No. 2. Long or D handle..... 1 25
Boy's Spade, D handle., 85



SCOOP, Vegetable. The best shovel for handling potatoes, apples, etc. Will not cut; dirt sifts out. Light weight. \$2.

SPRAY PUMPS. See p. 138.

SPRAYER for plants, etc. A



small nickel-plated syringe or Sprayer, to be placed in a bottle; used for spraying with any kind of fumigating liquid or insecticide. 85 cts.

SPRINKLERS.—

Rubber Plant.

With large opening in neck; fills quickly;



made of best white rubber.

Each
Straightneck. 6-oz.....\$0 50
10-oz..... 90
Angleneck. 6 oz..... 60
10-oz..... 1 00



Peck's Improved Lawn Sprinkler.

May be attached to the hose and placed anywhere on the lawn. Stands 4 ft. high and distributes water over an area from 60 to 100 feet. 4-arm, \$3 each; 8-arm, \$3.50 each.

The "New"

Comet.

Anadjust-

able re-

volving

Sprink-

ler. Will

sprinkle

from 5 to

30 feet.

Easily

moved.

The two

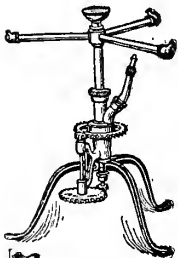
arms may

be set upright or at any angle.

Weight 4½ lbs. \$3.50 each,



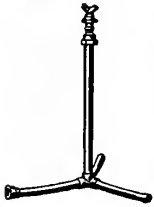
HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued



SPRINKLERS, con.
Twin Comet. A Lawn Sprinkler in two parts—one slow- and three fast-revolving arms, distributing the water over an area of 60 to 80 ft. \$3.50.



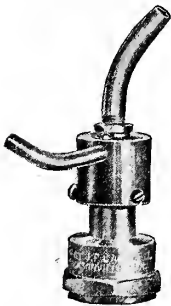
Water Witch No. 3. Scatters the water in fine drops and evenly over a circular area of from 25 to 40 feet. 35 cts. each.



Water Witch No. 4. Similar to No. 3, but having a stand instead of spike for holding it upright. 80c.



Ring Sprinkler. Has no revolving parts. The simplest Lawn Sprinkler. Made of good-quality brass. 75 cts. each.

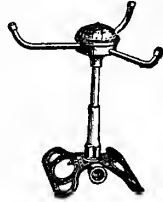


Automatic Lawn or Garden Sprinkler. Nickel-plated, on 4-ft. stand. Sharpened iron bottom for sticking into soil, and hose connections complete. \$5 each.



Hotchkiss Lawn Sprinkler No. 55. The most popular 3-arm Sprinkler on the market; made of brass, nickel-plated, with malleable iron runners. Will cover an area 30 feet in diameter. \$1.25 each.

Hotchkiss Lawn Sprinkler No. 65. This combination Sprinkler and fountain is beautiful as well as useful. Brass and nickel-plated, with malleable iron runners. Will cover an area 40 feet in diameter. \$1.75 each.



Shower Sprinkler. Mounted on holder for sprinkling lawns, or can be attached directly to garden hose for washing sidewalks, etc. Cannot clog or get out of order; will not rust. Standard 3/4-in. hose connection. 10 in. high. Holder and nozzle complete. \$2.

SYRINGES. See pages 137, 138.



TROWELS, Solid Steel. Cheapest Trowel in the long run; light, strong, durable and perfect "hang;" handle cannot come off. Each
5-inch blade.....\$0 40
6-inch blade..... 50
7-inch blade..... 60



Transplanting. A perfect Trowel for transplanting and putting in bulbs; solid steel. 6-in. 15 cts.; 7-in., 20 cts.



TURFING IRON, English. An imported tool for lifting sod evenly, rapidly and without breaking. \$4.50 each.

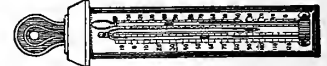
THERMOMETERS.—
Oxidized Metal Scale, Polished Back. A Thermometer for house use, durable and well made. Tube magnifies and is easy to read. Each
8-in...\$0 75
10-in... 1 00
12-in... 1 25

Oxidized Metal Scale, Carved Back. Same as the preceding but with fancy border. Each
8-in...\$0 75
10-in... 1 00
12-in... 1 25

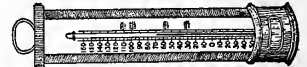


THERMOMETERS, con.

Self-Registering, Polished Back. For indoor use; will register extremes of heat and cold; made of hard wood. A magnet is used to draw back the indicating points. Each
10-in.....\$2 00
12-in..... 2 50



Self-Registering, Japanned Case. The same as preceding, with tin case for outside use. Enamelled case and porcelain scale. Each
8-in.....\$2 75
10-in..... 3 25
12-in..... 3 75



Japanned Tin Case. A cheap thermometer for greenhouse use; all metal. 10-in., 40 cts. each, \$4 per doz.

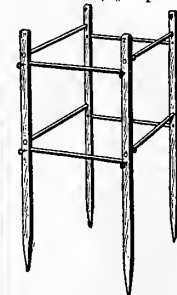
Hotbed, New Style. Copper-sheathed. Tip can be removed and cleaned. \$2.

Mercury Bath, or Hotbed. New. Quick-acting; all of metal. Cannot rust or break. \$2.



Hotbed and Mushroom Bed. Brass-tipped point incloses the temperature bulb; it is simply thrust into the soil or bed. Best grade (made of boxwood), \$1.75. Standard Grade (made of soft wood), \$1.25.

TOMATO SUPPORTS. Made of heavy wire, galvanized. 20c. each, \$2 per doz.

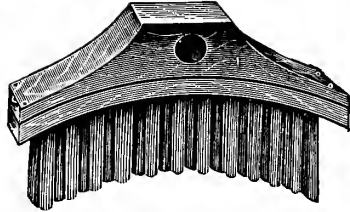


Wood. 36 in. high, 16 in. wide. Solidly made of clear, straight wood. Can be taken apart and stored when not in use. Will last for years. 25 cts. each, \$2.50 per doz.

TORCH, Asbestos. Very useful and simple. The only sure way to get rid of caterpillar nests on trees. Small size, 25 cts. each. Large size, 35 cts. each.

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued

TREE BRUSH, Small Size. Fine wire bristles; useful for brushing young trees. \$1.50 each.



Tree Brush, Wire. For older trees; can be used with long handle. Complete, \$2.

TREE SCRAPER. For scraping diseased bark from trees, removing insect eggs, etc. 50 cts. each.

TREE-TUBS, New York Style. Made of cedar timber, painted green.



No.	Diam.	Height	Each
1.	12 in...	10 3/4 in...	\$1 15
2.	13 in...	12 3/4 in...	1 50
3.	14 1/2 in...	14 3/4 in...	1 85
3 1/2	16 1/2 in...	15 3/4 in...	2 45
4.	19 1/2 in...	16 3/4 in...	2 65
5.	22 1/2 in...	18 1/2 in...	3 45

TWINE, Green Smilax. In 2-oz. balls, 75 cts. per lb.
Florist's Linen (Silkline)—
Green or Gray. In 2-oz. reels, \$1.25 per lb.



VASES, Flower. Indurated wood fiber; for cut-flowers.

Diam.	Depth	Each	Doz.
No. in.	in.		
3..4	6	\$0 50	\$5 00
2..4 1/2	9	55	5 50
1..5 1/2	10	65	6 50
0..8	13	75	7 50

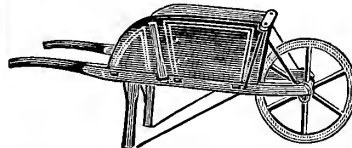
For receptacles for holding above, see Saucers, p. 134.

WATERING POT, French Model. Long spout, with brass joints, fitted with coarse and fine nozzles. Made of heavy galvanized iron, reinforced with steel rim.

Each
6-qt....\$2 25
8-qt.... 2 50
10-qt.... 2 75
12-qt.... 3 00

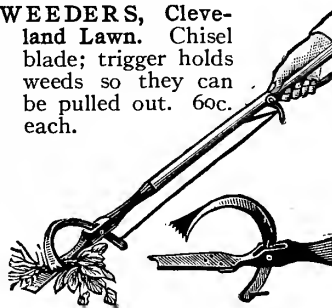
WATERING POT, The "Philadelphia." With brass joints and two copper-faced roses.

Each
6-qt....\$2 00
8-qt.... 2 25
10-qt.... 2 50
12-qt.... 2 75



WHEELBARROW, Thorburn's Garden. None better made. Iron braced and bolted. Finished in natural wood, red or green. Steel wheel, if desired, 50 cts. extra. Each
No. 2, Small.....\$3 00
No. 4, Medium..... 4 00
No. 5, Large..... 5 00

WEEDERS, Cleveland Lawn. Chisel blade; trigger holds weeds so they can be pulled out. 60c. each.



Excelsior Finger. Useful for loosening and pulverizing the soil. 10c. ea., \$1 per doz.



Lang's Hand. A strap over the finger keeps the tool in the hand while operator's fingers are left free. 20 cts. each, \$2.25 per doz.



Eureka Hand. The prongs of solid forged steel are thin and long; fine for loosening soil. Short handle. 30 cts. each, \$3 per doz.



Magic. Combined Weeder and hoe. Fingers of tempered steel. The hoe is useful in loosening hard ground. 35 cts. each, \$3.50 per doz.

Norcross Adjustable Cultivator. Made of first-class material, teeth forged



from solid steel. Can be entirely taken apart, every piece being detachable. Works between the rows, or center tooth can be removed to straddle row. 85 cts. each.

Flower-Pots

Best make. Of sizes 2 to 3 inches we do not sell less than 100; of larger sizes not less than a dozen. *We pack carefully in the best manner, but will not be responsible for breakage in transit.*



Size, height and width, inside	Per doz.	100	1,000
2 in.....	\$0 70	\$5 25	
2 1/4 in....	80	6 00	
2 1/2 in....	1 00	7 50	
3 in.....	1 25	9 50	
3 1/2 in....	\$0 25	1 50	12 00
4 in.....	30	1 75	14 00
4 1/2 in....	40	2 50	19 00
5 in.....	50	3 50	27 00
6 in.....	65	5 00	39 00
7 in.....	1 25	9 00	
8 in.....	1 75	12 00	
9 in.....	2 25	18 00	
10 in.....	3 25	24 00	
11 in.....	4 00	30 00	
12 in.....	5 00	38 00	

Syringes



No. A. One spray rose and one jet. Length of barrel 12 in., diam. 1 in. \$2.50 each.



No. G. One spray rose and one stream jet, side attachment and elbow-joint for sprinkling under foliage. Length of barrel 16 in., diam. 1 1/2 in. \$5 each.



No. H. Sheet brass with fixed spray rose; length of barrel 16 in., diam. 1 1/2 in. \$3 each.



No. 2. One coarse and one fine spray rose, and one jet, side attachment. \$4.50 each.

SYRINGES, continued

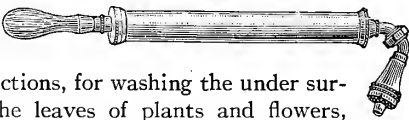


No. 3. Large size. Has one stream and two spray roses, with side pieces on barrel. Length of barrel, 18 in., diam. $1\frac{1}{2}$ in. \$6.50 each.

No. 4. Large size. Has jet and three rose sprays, two of which are kept in the handle. Length of barrel, 18 in., diam. $1\frac{1}{2}$ in. \$7 each.

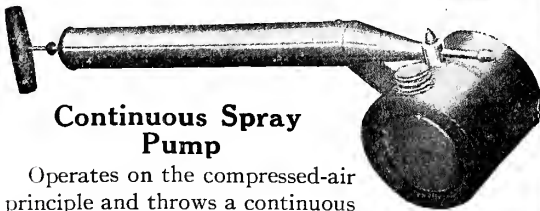
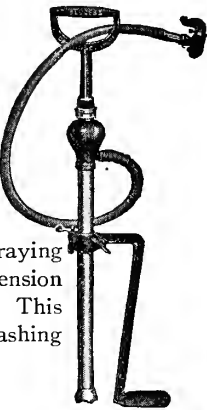
No. 6. Large size. Has one spray rose and gooseneck angle joint, turning

in all directions, for washing the under surface of the leaves of plants and flowers, cleansing them from insects, etc. Length of barrel, 18 in., diam. $1\frac{1}{2}$ in. \$8 each.



Spray Pump, Bucket

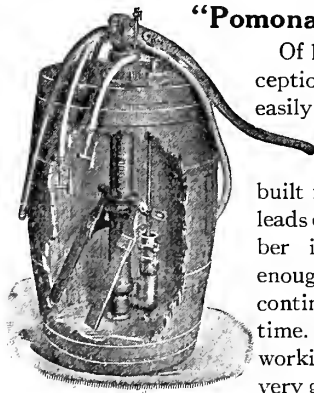
Being made of brass, it is not affected by the arsenites used for spraying. Easily operated; throws a solid stream 50 feet. It is provided with a combination nozzle, and also with a sprinkler for flowers. For spraying large trees, an 8-foot pipe extension is supplied for 60 cents extra. This pump is also valuable for washing windows. \$3.75.



Continuous Spray Pump

Operates on the compressed-air principle and throws a continuous spray. Interchangeable brass nozzle—one to throw the spray straight ahead, and one to spray up or down. Capacity, one quart.

	Each		Each
Tin.....	\$1 00	Brass.....	\$1 50



"Pomona" Spray Pump

Of large capacity and exceptionally powerful. It is easily operated by one person when necessary, but is especially built for spraying with two leads of hose. The air-chamber is rather large, and enough air is stored up for a continuous spray for some time. Plunger, valves and all working parts are made of very good-quality brass. It

"POMONA" SPRAY PUMP, continued

can be quickly inserted or removed from the barrel. Its paddle agitator is far superior to the old return-discharge method of stirring. Adjustable to different-sized barrels.

Pump only, with agitator, \$15; fitted to barrel, \$18.

Outfit C. Pump, agitator, one lead of discharge hose and spray nozzle, \$18; fitted to barrel, \$21.

Outfit D. Pump, agitator, two leads of discharge hose and two spray nozzles, \$20; fitted to barrel, \$23.

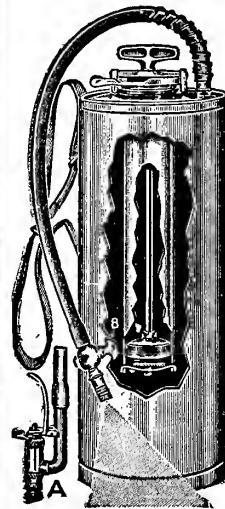
"Fruitall" Spray Pump

Same as Pomona, but smaller. Pump with agitator and one lead of 15 feet of $\frac{1}{2}$ -in. discharge hose, with spray nozzle, \$10; fitted to barrel, \$13.

Vaporizing Spray Pump, Hand

A very useful sprayer for a small garden. Simple and effective; no valves to get out of order. Made of tin or brass.

	Each		Each
Tin.....	\$0 75	Brass.....	\$1 00



"Auto-Spray" Spray Pump

A self-operating sprayer of simple construction, durable, easy to carry and to work. Made of galvanized iron or solid brass, with 4-ply rubber hose. For spraying trees, cleaning windows, etc. A perfect pump.

With brass tank and stop-cock nozzle, hose and fittings, \$7.50.

With galvanized iron tank and stop-cock nozzle, hose and fittings, \$5.

Either kind of tank fitted with Auto-Pop nozzle, instead of stop-cock nozzle, 50 cts. extra.

Brass extension pipes, 2 feet long, 45 cts.

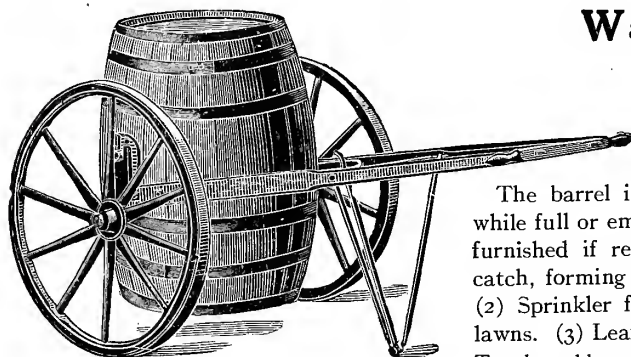
Auto-Pop nozzle, if sold alone, \$1.50.

Knapsack Spray Pump

FOR VINEYARD, ORCHARD AND FIELD SERVICE

Made entirely of brass and copper, with ball valves and metal plunger all easily accessible. The discharge is at the bottom, and the pump can be entirely drained of the liquid. It should be carried on the back with the straps crossed in front. The reservoir is made of heavy copper and will hold about five gallons. Complete with $3\frac{1}{2}$ feet of $\frac{3}{8}$ -inch discharge hose, Vermorel nozzle and lance for degorger, \$13.50.





Water-Barrel, Truck and Barrel

Water-Barrel, Truck and Barrel

CAN BE MADE INTO SPRINKLER, LEAF-RACK AND HAND-CART

The barrel is easily disconnected from the truck, either while full or empty. The following extra attachments can be furnished if required: (1) Box with trunnions and spring catch, forming a dumping hand-cart. (2) Sprinkler for watering walks and lawns. (3) Leaf-rack.

Truck and barrel, wooden wheels,

3-in. tires..... Each \$12 00

Truck and barrel, steel wheels, 3-in. tires..... 15 00

Sprinkler attachment, extra..... 3 25

Hand-cart box, extra..... 3 50

Leaf-rack, extra..... 5 00

Extra trunnions, per pair..... 50

Truck and trunnions, wooden wheels, without barrel..... 9 75

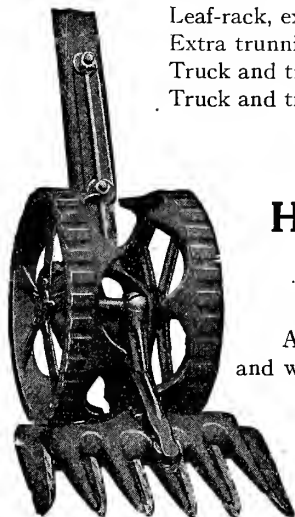
Truck and trunnions, steel wheels, without barrel..... 12 75



Used as a Leaf-Rack



Used as a Hand-Cart



Handy Grass Clipper and Lawn Trimmer

Handy Grass Clipper and Lawn Trimmer

GREAT TIME-SAVER, INDISPENSABLE ON EVERY WELL-KEPT LAWN, MADE OF BEST MATERIALS THROUGHOUT

An implement designed to fill a long-felt want. It cuts a swath 5 inches wide and will pick the last blade of grass from around trees and shrubbery. Takes the place of the old-fashioned, unsatisfactory hand grass shears and entirely does away with the necessity of kneeling or stooping. It is self-sharpening and requires no attention except occasional oiling and adjusting. Price, \$2.50 each.

The "Velvetlawn" Grass Seeder

18 inches wide

The use of a machine in the seeding of new lawns or grass plots, the re-seeding of old lawns, the drilling of grass seeds into putting-greens, and the renewing of grass plots every month or so has proved a decided success wherever it has been tried. The machine to do this work is the "Velvetlawn" Grass Seeder.

The cutting action of the discs relieves old sod of root-bound conditions by cultivating around the roots.

Each disc automatically conforms to inequalities in the ground.

The discs do not tear the soil; they cut it.

The operator can drill any amount of seed desired.

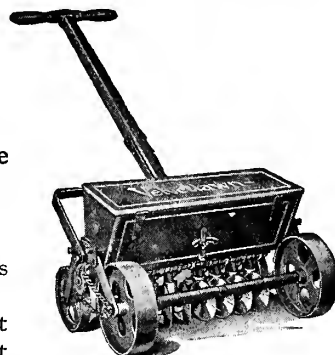
The "Velvetlawn" Grass Seeder puts the seed into the soil where the birds, wind and rain cannot get at it.

Every seed-trench contains an equal quantity.

Every feed is a force feed and sows the same amount.

"Velvetlawn" Grass Seeders are equipped with adjustable handle, thus insuring ease of operation for any height of man.

All of the seed being planted at an even depth in the soil, the plants must all come up at the same time, and make uniform growth. Price, \$15, net cash.



"Velvetlawn" Grass Seeder

The Thorburn Century Ball-Bearing Lawn Mower

Thorburn's Century Ball-Bearing Lawn Mower is a marvel of simplicity, as one screw adjusts both bearings. It has a simple, self-adjusting device, which keeps the bearing properly adjusted for a long time, and a double interchangeable ratchet. By shifting handle bails from the front to the rear lugs on the side frame, the Mower can be made to cut terraces and steep banks.

While cheaper mowers are sold all over, they will be found far dearer in the end. It pays to get a good Mower.

NET PRICES

	Each
14-inch cut.	\$8 50
16-inch cut.	9 50
18-inch cut.	10 50
20-inch cut.	11 50



Manufactured expressly for us, and is, in every respect, the BEST LAWN MOWER ever made.

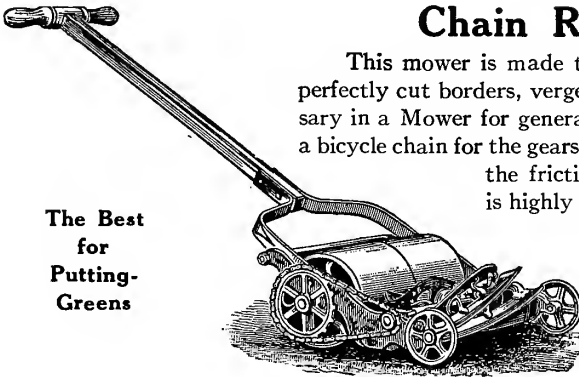
Chain Roller or Golf Mower

This mower is made to meet the demand for a machine that will more perfectly cut borders, verges, etc., and yet retain all the other features necessary in a Mower for general work. Its great advantage is the substitution of a bicycle chain for the gears generally used in this style of Mower. This reduces the friction to a minimum. The machine with six blades is highly recommended for work on putting-greens.

NET PRICES

	4 Blades	6 Blades
12-inch cut.	\$12 00	\$13 00
14-inch cut.	13 00	14 00
16-inch cut.	14 00	15 00
18-inch cut.	16 00	17 00

The Best
for
Putting-
Greens

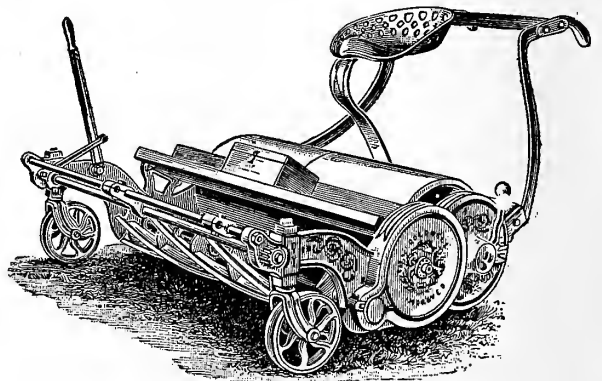


Improved Horse Lawn Mower

This well-known standard Mower has side draft attachment, to enable the horse to walk on the cut grass only, and caster-rollers which will not mark the lawn. Evenness of cut is assured by an adjustment which raises or lowers the two sides at the same time by means of a simple lever movement; the same lever serves the purpose of raising the knives from the ground when driving over gravel walks or roads.

NET PRICES, free on board, New York

	Each
25-inch cut, no shafts.	\$38 00
30-inch cut, complete.	65 00
35-inch cut, complete.	78 00
40-inch cut, complete.	95 00



Horse Boots

PREVENT CUTTING UP THE TURF

Made of very strong, heavy leather, closely riveted. Price, per set of four, \$9.

Water-Ballast Roller

Roller-Bearing. Can Be Filled without Turning on End, with Either Water or Sand

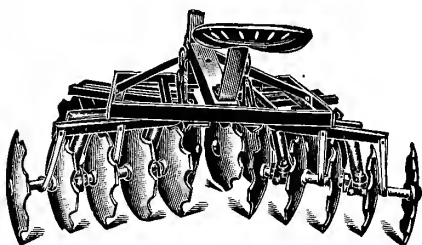
(Patented)

SUITABLE FOR LAWNS, TENNIS-COURTS AND PUTTING-GREENS. SEAMS ARE ELECTRIC-WELDED, NOT RIVETED

One- or two-section "Water Weight" Rollers, without counter-balancing handle-weights.

No.	Diam. in.	Length in.	Sec- tions	Weight empty lbs.	Weight filled with water, lbs.	Weight filled with sand, lbs.	Price
WB3	14	20	1	60	200	300	\$8 00
WB5	18	24	1	75	300	500	10 00
WB7	24	24	1	125	500	800	12 00
WB11	18	24	2	100	300	500	13 00
WB13	24	32	2	170	650	1000	17 00

If handle-weight is desired, add \$1.50 to above prices.

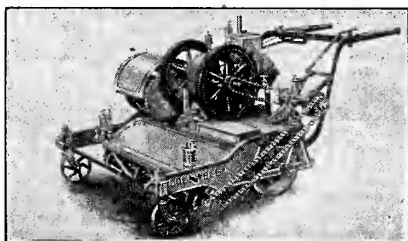
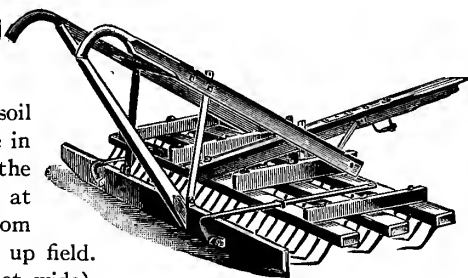


Clark's A5 Double-Action Cutaway Harrow

This Harrow will cut and reduce the toughest sod to plant-food without the aid of a plow. It will cut from 28 to 30 acres or will double-cut 15 acres in a day. It can be set so as to move the earth but little, or at so great an angle as to move all the earth one foot. It keeps the surface true and the machine runs true in line of draft. Price, \$33 net, f. o. b. factory (Conn.).

Cutaway Grading or Smoothing and Leveling Harrow

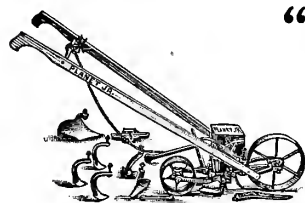
With this tool any field can be made smooth and the soil pulverized fine enough for a flower-bed. Will smooth an acre in twenty minutes. It is adjustable with a lever, by which the entire action is controlled by the driver, and he can remove at will all the earth possible for the team to haul, taking it from hills or uneven places and putting it into hollows, to level up field. For one horse (6 feet wide), \$13.50. For two horses (8 feet wide), \$15.50, f. o. b. factory (Conn.).



Coldwell's Combination Roller and Motor Lawn Mower

This machine cuts a swath 40 inches wide, is equipped with a 2-horse-power motor capable of propelling the Mower through almost any height of lawn grass, and up grades as steep as 25 per cent. Price \$475.

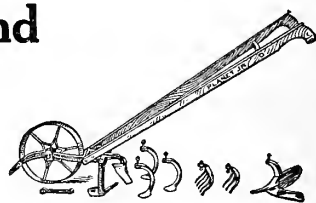
In our list of Horticultural Implements and Garden Requisites, beginning on page 132, will be found many things which will add to the pleasure of gardening



"Planet Jr. No." 4

"Planet Jr." Farm and Garden Tools

Illustrated catalogue describing fully many other "Planet Jr." tools mailed on application. Prices are quoted net F. O. B. New York.



"Planet Jr." No. 16

"Planet Jr." No. 16 Single-Wheel Hoe, Cultivator, Rake and Plow

This Single-Wheel Hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame.

EQUIPMENT

2 6-inch Hoes
3 Cultivator Teeth

1 7-inch Rake
1 4-inch Rake
Weight, 27 lbs.

1 Large Garden Plow
1 Leaf Guard
Price, \$5.85

"Planet Jr." No. 17 Single-Wheel Hoe

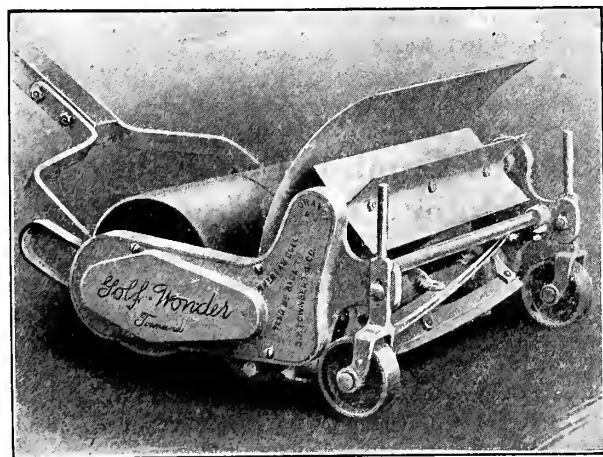
2 6-inch Hoes

3 Steel Cultivator Teeth
Weight, 22 lbs.

1 Leaf Lifter
Price, \$5-

	Each
"Planet Jr." No. 3. Hill and Drill Seeder. Efficient hill dropping outfit. Complete	\$10 50
"Planet Jr." No. 4. Seeder, Wheel Hoe, Cultivator and Plow. Complete.....	11 00
As a seeder only.....	9 00
"Planet Jr." No. 8. Horse Hoe and Cultivator.....	9 00
Without depth regulator.....	8 50
"Planet Jr." No. 11. Double-Wheel Hoe, Cultivator and Plow. Invaluable for use on all small crops.....	9 00
"Planet Jr." No. 12. Double-Wheel Hoe, Cultivator and Plow. Identical with No. 11, except fewer attachments.....	7 00
"Planet Jr." No. 13. Double-Wheel Hoe. Same as No. 12, but Hoe only.....	4 75
"Planet Jr." No. 18. Single-Wheel Hoe. Equipped with Hoes only.....	3 50
"Planet Jr." No. 25. Combined Hill and Drill Seeder, Double-Wheel Hoe, Cultivator and Plow. Large enough for field use.....	13 50
"Planet Jr." Twelve-Tooth Harrow, Cultivator and Pulverizer. Complete.....	9 00
With Lever Wheel only.....	7 40
Without Wheel or Pulverizer.....	6 20

The Townsend Lawn Mower, Golf Wonder (BALL-BEARING)



Especially designed for cutting putting-greens and fine lawns; runs easily at great speed. Chain and gear combined. 7 knives.

NET PRICES, F. O. B. NEW YORK

16-inch cut.....	\$18 00
18-inch cut.....	20 00
20-inch cut.....	22 00

Grass Catcher and Elevating Fan

to fit any of the above sizes

\$3 extra

A patented device that elevates the cut grass easily and positively into a Catcher of sufficient depth to retain it. This is the only Catcher that will not permit the grass to shatter out. It may be easily lifted from its socket for emptying.

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Thorburn's List of Vegetable Seeds

That May Be Sown in Each Month from February to September in the Climate of New York

FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
SOW IN HOTBED Early Beans Broccoli Early Cabbage Forcing Carrot Early Celery Cucumber Eggplant Early Lettuce Parsley Pepper Radish Tomato	SOW IN HOTBED Early Beans Early Beets Brussels Sprouts Early Cabbage Forcing Carrot Cauliflower Celery Eggplant Kohlrabi Lettuce Parsley Pepper Radish Tomato	SOW IN HOTBED Cucumber Eggplant Melon Pepper Tomato	IN OPEN GROUND Artichoke Asparagus Beans, Bush and Running Beets Brussels Sprouts Carrot Cauliflower Celery Sweet Corn Cress Cucumber Kohlrabi Leek Lettuce Melon Onion Parsley Parsnip Peas Potatoes Radish Salsify Spinach Early Turnip All Herbs	IN OPEN GROUND Beans, Lima and all other sorts Beets Broccoli Brussels Sprouts Late Cabbage Carrot Cauliflower Sweet Corn Cress Cucumber Endive Kale Kohlrabi Lettuce Melon Nasturtium Okra Early Peas Potatoes Pumpkin Radish Salsify Spinach Squash Herbs	IN OPEN GROUND Beans Beets Carrot Sweet Corn Corn Salad Cress Cucumber Endive Gherkin Kale Kohlrabi Lettuce Nasturtium Okra Early Peas Pumpkin Radish Spinach Squash White Fr. Turnip Rutabaga	IN OPEN GROUND Beans, Bush Tuberous Chervil Corn Salad Cucumber Endive Lettuce Welsh Onion Early Peas Radish Spinach Turnip	IN OPEN GROUND Cabbage for cold-frames Cauliflower for coldframes Tuberous Chervil Corn Salad Cress Siberian Kale Lettuce Mustard Winter Radish Spinach Turnip Sweet Peas
THORNBURN'S Gilt-Edge Golden-Self Blanching CELERY	IN OPEN GROUND Beans, B. Wind-sor Beets Carrot Leek Onion Peas Potatoes Radish Spinach Early Turnip	IN OPEN GROUND Cress Kohlrabi Lettuce Onion Parsley Parsnip Peas Potatoes Radish Spinach Early Turnip	IN OPEN GROUND Cress Kohlrabi Lettuce Melon Onion Parsley Parsnip Peas Potatoes Radish Salsify Spinach Early Turnip All Herbs	IN OPEN GROUND Cress Cucumber Endive Kale Kohlrabi Lettuce Melon Nasturtium Okra Early Peas Potatoes Pumpkin Radish Spinach Squash Herbs	THORNBURN'S BIG BOSTON LETTUCE Without any doubt the finest for forcing or out-doors	THORNBURN'S GRADUS-PEA Finest Extra Early, as well as the Best Wrinkled Variety	

J. M. THORBURN & CO., SEEDSMEN, NEW YORK

53 BARCLAY STREET THROUGH TO 54 PARK PLACE



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NEW YORK CITY